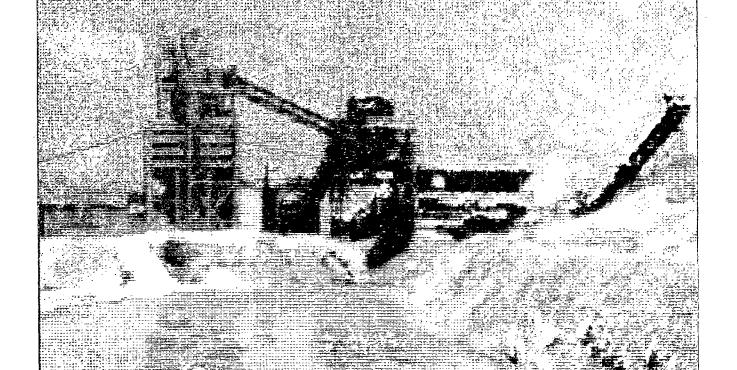
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Maryland Department of Natural Resources

November, 1988

INVENTORY AND HAZARD ASSESSMENT OF MARYLAND'S COASTAL SAND AND GRAVEL WASH PLANTS AND PONDS

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Abstract

An inventory of sand and gravel wash plants and ponds in the 16 counties of Maryland contiguous to the Chesapeake Bay was conducted during 1988. A total of 120 wash water settling ponds were identified and surveyed at 36 sites, of which 104 ponds are currently used.

As a result of the inventory, it was found that many wash water settling ponds currently in use were not built with appropriate approvals and therefore were not constructed to accepted design and construction specifications. Existing regulations provide a good basis for dealing with wash water settling ponds, however, strict enforcement and education of the operators with regard to the regulations is essential.

Each pond system and site surveyed was unique although some overall problems were noted. This diversity made it necessary to take many factors into account when assessing the potential hazards of any given pond.

Foreword

The purpose of this report is to present an inventory of sand and gravel wash plants and active and inactive ponds and to assess the potential hazards, if any, associated with them. This report was prepared by Molly Ann Kerns, Surface Mining Division, Water Resources Administration for the Coastal Resources Division, Tidewater Administration, Department of Natural Resources.

The information contained in this report was compiled from many sources including, surface mining permit files, Maryland Dam Safety Manual, Maryland Geological Survey maps, field surveys, correspondence with state agencies and private industry, and personal interviews. While every effort was made to collect accurate information, the author cannot guarantee the accuracy due to the variable nature of these ponds. Questions concerning this document should be addressed to Department of Natural Resources, Water Resources Administration, Surface Mining Division, Tawes State Office Building, 580 Taylor Ave., Annapolis, Md. 21401.

Acknowledgements

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The author would also like to thank Hal Van Aller for his assistance in designing and producing the data sheets, and Natalie Steele for her patience in typing this report.

The cover for this report was created by Bill Burgess on the Map and Image Processing System (MIPS), currently in use by the Department of Natural Resources.

INTRODUCTION

INTRODUCTION

Increased awareness of the large amounts of sediment being deposited into the Chesapeake Bay and its tributaries has prompted the State to examine an otherwise unnoticed aspect of the sand and gravel business - wash water settling ponds. The ponds are used to settle out the material produced by the washing operation. The washing process produces a waste by-product which is very fine, supersaturated, and hard to dispose of.

Most sand and gravel operations have wash plants that incorporate some sort of pond system. Some operations use a closed system in which the material is pumped through a series of ponds and channels, allowing fine material to settle out. final pond contains relatively clean water which is recycled back to the plant. Other companies fill up one pond and then dig another. One company uses a flocculent method; using a flocculent enables the operator to settle out the fine, silty material in tanks at the plant so only clean water is discharged from the plant and returned to the make-up water pond. clean water from these make-up ponds is recycled back to the plant for reuse. Problems exist with all of these methods. flocculent method is rather expensive to set up and operate. However, it saves space and the silty waste material is fairly dry and mixes well with other types of material to be used in reclamation of the surface mine. Digging new ponds as the old ones fill up requires vast areas of land, and for a plant producing large amounts of material it is also very labor intensive.

Plants which use the closed pond system must maintain the ponds by dredging or use of a dragline to keep the final pond clean. This method is both labor intensive and costly. The material removed from the settling ponds contains an excessive amount of water and is hard to work with. The material may be pumped to another pond or out onto a flat surface to dry in lifts or it may be trucked elsewhere to dry. The areas to which it is moved, should be monitored for sediment laden runoff.

In the 16 counties contiguous to the Chesapeake Bay there were 120 wash water settling ponds identified. The ponds are concentrated within the Coastal Plain, where the majority of the sand and gravel resources are deposited. (Three additional sites were identified in Prince George's county containing an unknown number of ponds. Permission was denied by the owner to survey the ponds, therefore detailed information is unavailable.) A pond system in close proximity to a river or stream has a high potential for depositing large amounts of sediment in the event

of structural failure. Four of the sites in Anne Arundel county are located along a 3 mile stretch of the Patuxent River. Because the ponds are a high potential source of sediment to waters of the State, concerns are raised when the stability of a pond is in question. Many factors such as vegetation, poor construction, and lack of maintenance contribute to the instability of a pond. Those flagged as having a high potential hazard are not the only ponds of concern. Any pond that is not vegetatively stabilized, even if the structure is built to current construction standards and specifications, stands a chance of failure because of surface erosion of the embankment.

The type of vegetation is also very important. Grass is the best cover because of its stems and shallow root system. If properly maintained, it will become a dense and erosion-resistant layer catching fine material and runoff, thereby greatly decreasing erosion. Grass also enhances the appearance of the structure and provides a surface that can be easily inspected. Shrubs and trees are undesirable types of vegetation for an embankment type pond and should be prevented from growing on the structure. The roots grow laterally through the side of the embankment, creating seepage paths for water. These seepage paths will grow larger as water flows through them, causing a weakness in the embankment and increasing the chance for failure. Trees and shrubs which blow over or uproot, tear up portions of the embankment leaving a weak spot which becomes vulnerable to erosion, blowouts, and overtopping.

In addition to vegetation, other aspects of the pond should be monitored such as, proximity to streams, steep side slopes, top width, height and condition of the embankment, drainage or seepage problems, the existence and condition of pipes and spillways, and the remaining capacity of the pond. All these factors contribute to the safe condition of the pond.

Ideally, the side slope of the embankment should be constructed to no steeper than 2:1. The flatter the slope, the more massive the structure will be, increasing its stability. The embankment would then also be easier to vegetatively stabilize, maintain, and inspect as well as reducing the potential for failure due to erosion. A thin top width is undesirable for an embankment pond because there is an increased chance for failure and erosion. The top width should be designed and constructed in accordance with the height and overall size of the embankment and the crest should be vegetatively stabilized.

The embankment height should be in keeping with accepted design and construction methods, additional height should not be added to increase the capacity of the pond without careful review of design standards which may cause cracks, slides, or settlement of the structure. It is also important that the structure is constructed of well compacted material and that the condition of

the embankment is maintained with routine inspections and care of the grass vegetation.

Drainage and seepage problems may occur for various reasons. Seepage occurring from tree and shrub roots has already been discussed, but seepage may also occur from poor design, or improper construction materials and methods. A pond constructed from sandy material will likely have seepage problems, since this type of material allows lateral flow. The fine silty material placed in the pond may partially fill the pore space, but this may not completely seal the embankment. If the embankment is not compacted to standards during construction, problems with seepage through the embankment is likely. Drainage problems may occur from damaged or clogged pipe spillways which block the flow of wash material. Drainage problems may also occur from an improperly constructed pond. The downstream side of an embankment may become supersaturated causing a failure commonly manifested as a slide.

When inspecting the embankment, special notice of cracks should be taken since they may indicate settling of the embankment or the beginning of a slide. Pipes and spillways should be checked for damage by equipment dredging or draglining the pond. The pipes should be designed and made of material approved in the Soil Conservation Service pond specifications. These devices are installed as a safety measure therefore, their effectiveness should be maintained for optimum results.

The level of water below the top of the embankment is of critical importance. Adequate freeboard should be maintained for additional storage capacity and to prevent overtopping in a storm event. A reasonable freeboard (2 feet minimum) should be left to allow for stormwater runoff and the time needed for the dredge or dragline to clean out the pond.

Not all wash plants and ponds are located at surface mines, some are separate entities and are rarely inspected. Even those plants and ponds at a surface mine do not have to be in the permit area thereby not receiving the attention and inspection which may be needed. These factors initially lead to problems for those operating the plants and ponds and those regulating them.

Operators need to be conscientious, ensuring that embankments, pertinent structures, and spoil areas are properly inspected and maintained. Vegetation should be of a favorable type, preferably grass, and be maintained by fertilizing and mowing. Pipes and spillways should be monitored for seepage and damage from dredging. The limit of the height of material being stored should be monitored so as to provide a safety factor and deter the potential problem of overtopping as well as allowing time for the pond to be cleaned out. Discharge points should be

monitored to keep discharge water within parameters established by the discharge permit. Equally as important as these precautions, the operator should make plans for restoration of the site and construction of additional ponds.

The need to be cost effective should never be at the expense of safety. Monitoring these ponds, although time consuming, is very important due to the fact that they are constantly changing, new ponds are added, old ponds are made larger or are abandoned and become overgrown with vegetation. This variability emphasizes the need for a clear, concise system of standards and regulations for these ponds.

The data which follows was gathered from surveys of the ponds, field interpretations, maps and other pertinent information. The ponds were located radially with traverse points established in the field by angle and stadia distance. The points were plotted on graph paper and the area obtained by use of a planimeter. Cross sections were taken to obtain the height, depth, top width, freeboard, and downstream slope of embankment type ponds.

REGULATORY

11.

REGULATORY AUTHORITY

There are existing laws which deal with the construction of ponds and the emission of soil and sediment into the waters of the state. Wash water settling ponds are not specifically cited in any of these laws, but are intended to be governed by them.

The Environmental Article (Annotated Code of Maryland), sections 4-413 and 4-415 address the "adding, introducing, etc., soil or sediment into waters of the state", and "Orders to Correct Violations", section 4-413 states, "it is unlawful for any person to add, introduce, leak, spill or otherwise emit soil or sediment into waters of the state or to place soil or sediment in a condition or location where it is likely to be washed into waters of the state by runoff of precipitation or by any other flowing water." The sediment from wash ponds is so fine it is easily carried by rain or other running water. It is of the utmost importance that this sediment is properly handled and stored to diminish the chance of runoff, thereby protecting the waters of the State from an increased sediment load.

Sections 4-413 and 4-415 can be applied to both ponds which fail and lose large amounts of sediment, and those in danger of failing because of poor construction or maintenance. Sections 4-413 and 4-415 of the Environmental Article should be used in conjunction with Natural Resources Article, Section 8-803, (Annotated Code of Maryland), to explain the requirements to obtain approval to build a small pond in the State of Maryland. All ponds should have Soil Conservation District Approval or a Water Resources Administration Permit. Many of the wash ponds now in existence have neither, and because of this are not built according to Soil Conservation Service specifications. Conservation Service specifications 378-1 and 350-AA explain in detail how to construct a pond to maintain its stability and effectiveness. These specifications detail both dugout and embankment ponds. Soil Conservation Districts and Water Resources Administration use these specifications when reviewing a pond approval request.

The existing laws provide a good basis for dealing with wash water settling ponds. With uniform implementation by all agencies involved and strict enforcement other regulatory action, if at all necessary, would be minor.

SITE INDEX BY COUNTY

111.

SITE INDEX BY COUNTY

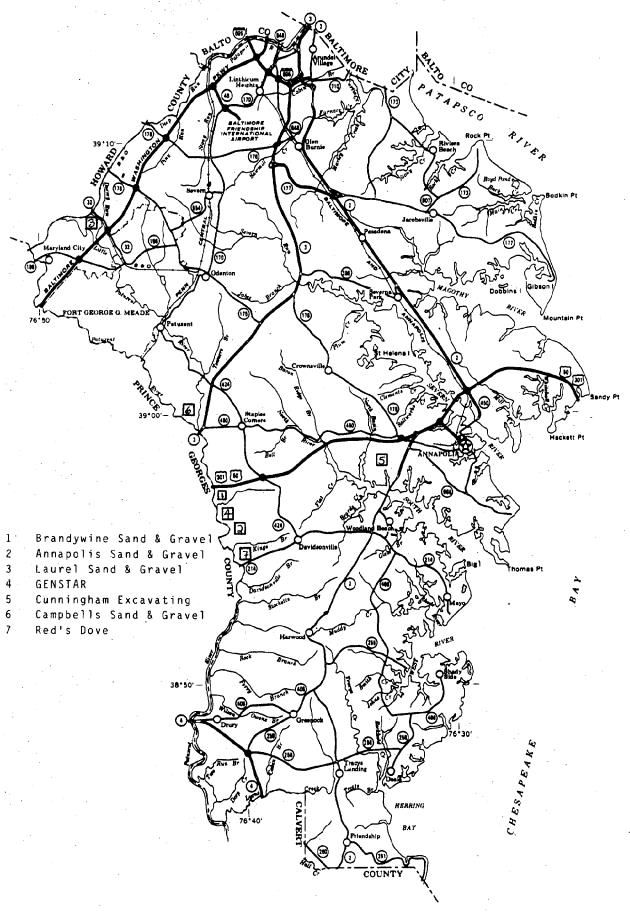
SITE #	COMPANY NAME	PAGE(S)
ANNE ARUNDEL COUNTY		
AA1-78-SP-0018 AA2-77-SP-0026 AA3-84-SP-0180 AA4-77-SP-0035 AA5-78-SP-0087 AA6-77-SP-0838 AA7-77-SP-0073	Brandywine Sand & Gravel Annapolis Sand and Gravel Laurel Sand and Gravel Genstar Cunningham Sand and Gravel Campbell Sand and Gravel Reds Dove, Inc.	8;I 1-3 9;I 4 10;I 5-10 11;I 11-16 12;I 17-19 13;I 20-21 14;I 22-25
BALTIMORE COUNTY		
BA1-77-SP-0064 BA2-77-SP-0056	Genstar - White Marsh Genstar - Chase	15;I 26-36 16;I 37
CECIL COUNTY		:
CE1-77-SP-0081 CE2-77-SP-0090 CE3-80-SP-0353 CE4-77-SP-0080	York Building Products - Belvedere Stancills, Inc. Cecil Sand and Gravel York Building Products - Northeast	17;I-38-45 18;I 46-47 19;I 48-52 20;I 53-56
CHARLES COUNTY		
CH1-87-SP-0249 CH2-80-SP-0633 CH3 CH4-82-SP-0139	Seven Star Aggregates SOMAR Charles County Sand and Gravel Goose Bay Aggregates	21;I 57-61 22;I 62 23;I 63-66 24;I 67-75
DORCHESTER COUNTY		
D01-77-SP-0105 D02-86-SP-0243 D03-77-SP-0098 D04-77-SP-0100	Fooks Sand and Gravel Eldobrook Sand and Gravel Shufelt Sand and Gravel Eastern Corporation	25;I 76 26;I 77 27;I 78 28;I 79
HARFORD COUNTY		
HA1-77-SP-0089 HA2-77-SP-0076 HA3-79-SP-0119 HA3-83-SP-0149	Harford Sands, Inc. Spencer Sand and Gravel Daneker Sand and Gravel S & G Concrete	29;I 80 30;I 81-82 31;I 83-84 32;I 85-87

Aggregate Industries 33; I 88 Silver Hill 34; I 89 Inland Materials 35; I 90-91 A.H. Smith - Branchville 36; I 92 A.H. Smith - Brandywine 37; I 93 Davis Sand and Gravel 38; I 94 -77-SP-0013 E.L. Gardner, Inc. 39; I 95-98 Laurel Sand and Gravel 40; I 99-102
Aggregate Industries 33 ; I 88 Silver Hill 34 ; I 89 Inland Materials 35 ; I 90-91 A.H. Smith - Branchville 36 ; I 92 A.H. Smith - Brandywine 37 ; I 93 Davis Sand and Gravel 38 ; I 94 -77-SP-0013 E.L. Gardner, Inc. 39 ; I 95-98 Laurel Sand and Gravel 40 ; I 99-102
Silver Hill 34; I 89 Inland Materials 35; I 90-91 A.H. Smith - Branchville 36; I 92 A.H. Smith - Brandywine 37; I 93 Davis Sand and Gravel 38; I 94 -77-SP-0013 E.L. Gardner, Inc. 39; I 95-98 Laurel Sand and Gravel 40; I 99-102
Inland Materials 35; I 90-91 A.H. Smith - Branchville 36; I 92 A.H. Smith - Brandywine 37; I 93 Davis Sand and Gravel 38; I 94 -77-SP-0013 E.L. Gardner, Inc. 39; I 95-98 Laurel Sand and Gravel 40; I 99-102
A.H. Smith - Branchville 36; I 92 A.H. Smith - Brandywine 37; I 93 Davis Sand and Gravel 38; I 94 -77-SP-0013 E.L. Gardner, Inc. 39; I 95-98 Laurel Sand and Gravel 40; I 99-102
A.H. Smith - Brandywine 37; I 93 Davis Sand and Gravel 38; I 94 -77-SP-0013 E.L. Gardner, Inc. 39; I 95-98 Laurel Sand and Gravel 40; I 99-102
Davis Sand and Gravel 38; I 94 -77-SP-0013 E.L. Gardner, Inc. 39; I 95-98 Laurel Sand and Gravel 40; I 99-102
-77-SP-0013 E.L. Gardner, Inc. 39; I 95-98 Laurel Sand and Gravel 40; I 99-102
Laurel Sand and Gravel 40; I 99-102
MARY'S COUNTY
Edward B. Howlin 41; I 103-10
-77-SP-0119 Maryland Rock Industries 42; I 107-11
Leonardtown Sand and Gravel 43; I 115-12
OMICO COUNTY
-77-SP-0094 Howard Sand and Gravel 44 ; I 121
CESTER COUNTY
-77-SP-0032 Blades Materials, Inc. 45 ; I 122
-77-SP-0119 Maryland Rock Industries 42 ; I 107 Leonardtown Sand and Gravel 43 ; I 115

DATA SHEETS-

SITE SPECIFIC

IV.



COMPANY NAME: BRANDYWINE SAND AND GRAVEL

SITE NUMBER: AA1-78-SP-0018

NUMBER OF PONDS ON SITE: 3

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	inactive	6.18	2500	low
POND 2	active	3.80	3000	low
POND 3	inactive	7.20	2000	low
POND 4				
POND 5				
POND 6			,	
POND 7				
POND 8				
POND 9				
POND 10				
POND 11	·			

LOCATION

COUNTY: AA LAND OWNER: Brandywine Sand and Gravel

BASIN CODE: 02131104 TAX MAP PAGES: 53,54

RIVER/STREAM: LIBER: 3588

Patuxent River
MD GRID COORDINATES: FOLIO: 708

NORTH: 405
EAST: 895
ACRES: 100

PARCEL NUMBER: 6

See appendix I, page(s) 1-3 for specific details on individual ponds.

COMPANY NAME: ANNAPOLIS SAND AND GRAVEL

SITE NUMBER: AA2-77-SP-0026

NUMBER OF PONDS ON SITE: 1

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	45.85	5.0	high
POND 2	Tage of the same o		,	Control and three configurations of the configurations of the configuration of the configurat
POND 3:		,		
POND 4				
POND 5				
POND 6				
POND: 7	:			and the second
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: AA

LAND OWNER: Annapolis Sand and Gravel

BASIN CODE: 02131105

TAX MAP PAGES: 54,58

RIVER/STREAM:

LIBER: 3143

Patuxent River MD GRID COORDINATES:

FOLIO: 276

NORTH: 397

ACRES: 263.13

EAST: 892

PARCEL NUMBER: 26

See appendix I, page(s)

for specific details on individual ponds.

4

COMPANY NAME: LAUREL SAND AND GRAVEL

SITE NUMBER: AA3-84-SP-0180

NUMBER OF PONDS ON SITE: 6

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	1.51	600	low
POND 2	active	1.21	600	low
POND 3	active	1.56	600	low
POND 4	active	5.83	62000	high
POND 5	active	8.18	62000	intermediate
POND 6	active	8.13	60000	intermediate
POND 7				
POND 8				
POND 9		:		
POND 10				
POND 11				

LOCATION

COUNTY: AA LAND OWNER: B.A. ASSOCIATES LTD. PARTNERSH

BASIN CODE: 02131105 TAX MAP PAGES: 13,20

RIVER/STREAM: LIBER: 3477

Dorsey Run
MD GRID COORDINATES: FOLIO: 457

NORTH: 470 EAST: 860 ACRES: 458.56

PARCEL NUMBER: 195

See appendix I, page(s) 5-10 for specific details on individual ponds.

COMPANY NAME: GENSTAR-DAVIDSONVILLE

SITE NUMBER: AA4-77-SP-0035

NUMBER OF PONDS ON SITE: 6

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	23.50	1000	low
POND 2	active	4.30	800	none
POND 3	active	3.70	1000	low
POND 4	active	1.67	1000	low
POND 5	active	0.95	1000	none
POND 6	active	2.04	1000	low
POND 7				
POND 8				
POND 9				
POND 10				
POND 11	·			

LOCATION

COUNTY: AA LAND OWNER: The Flintkote Company

BASIN CODE: 02131104 TAX MAP PAGES: 54

RIVER/STREAM: LIBER: 4035

Patuxent River
MD GRID COORDINATES: FOLIO: 852

NORTH: 401 EAST: 891 ACRES: 72

PARCEL NUMBER: 208,9,14

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See appendix I, page(s) 11-16 for specific details on individual ponds.

COMPANY NAME: CUNNINGHAM SAND AND GRAVEL

SITE NUMBER: AA5-78-SP-0087

NUMBER OF PONDS ON SITE: 3

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	1.48	1000	low
POND 2	active	0.84	900	low
POND 3	active	0.85	800	low
POND 4				
POND 5				
POND 6				
POND 7				## ***
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: AA LAND OWNER: Cunningham Sand and Gravel

BASIN CODE: 01131105 TAX MAP PAGES: 36

RIVER/STREAM: LIBER: 3705
Patuxent River

MD GRID COORDINATES: FOLIO: 709
NORTH: 440

EAST : 890 ACRES: 132

PARCEL NUMBER: 10

See appendix I, page(s) 17-19 for specific details on individual ponds.

COMPANY NAME: CAMPBELLS SAND AND GRAVEL

SITE NUMBER: AA6-80-SP-0838

NUMBER OF PONDS ON SITE: 2

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	1.74	7000	none
POND 2.	active	1.93	7000	none
POND 3				
POND 4				
POND 5	ī			
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: AA

LAND OWNER: Campbell Sand and Gravel

BASIN CODE: 02131105

TAX MAP PAGES: 36,42

RIVER/STREAM:

LIBER: 3314

Little Patuxent River

FOLIO: 595

MD GRID COORDINATES:

гошто. Эээ

NORTH: 434 EAST: 877

ACRES: 445.8

PARCEL NUMBER: 110

See appendix I, page(s) 20-21 for specific details on individual ponds.

COMPANY NAME: REDS DOVE INC.

SITE NUMBER: AA7-77-SP-0073

NUMBER OF PONDS ON SITE: 4

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	0.43	750	none
POND 2	active	0.85	750	none
POND 3	active	0.40	800	none
POND 4	active	1.38	900	low
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10			-	
POND 11				

LOCATION

COUNTY: AA LAND OWNER: James Steinberg

BASIN CODE: 02131102 TAX MAP PAGES: 20

RIVER/STREAM: LIBER: 3859

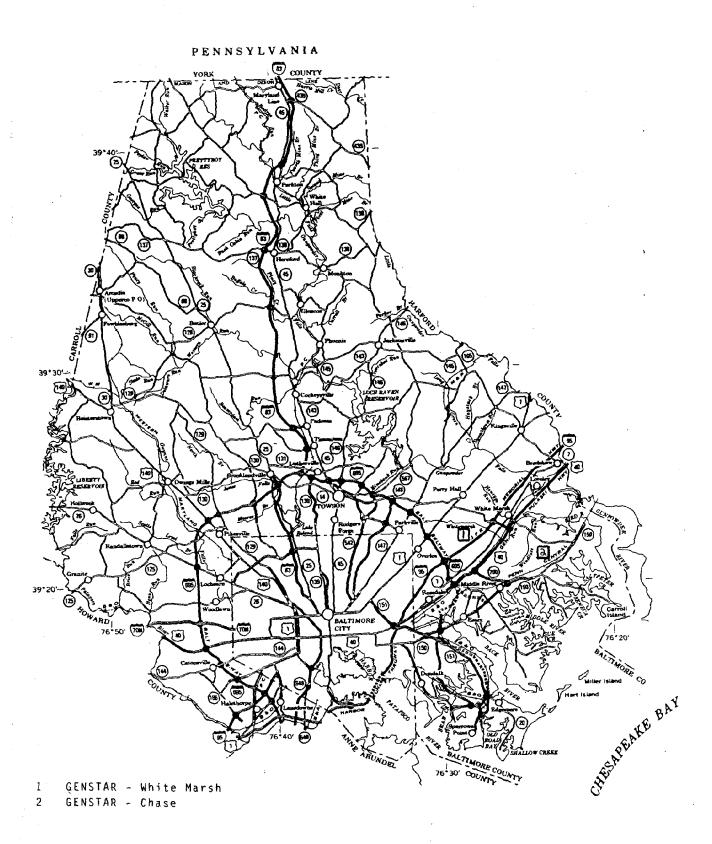
Patuxent River

MD GRID COORDINATES: FOLIO: 767
NORTH: 393

EAST : 893 ACRES: 20

PARCEL NUMBER: 3

See appendix I, page(s) 22-25 for specific details on individual ponds.



COMPANY NAME: GENSTAR-WHITE MARSH

SITE NUMBER: BA1-77-SP-0064

NUMBER OF PONDS ON SITE: 11

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	0.11	3200	low
POND 2	active	0.12	2600	none
POND 3	active	0.17	2400	none
POND 4	active	0.17	200	none
POND 5	active	0.48	1600	none
POND 6	inactive	8.00	1800	none
POND 7	inactive	6.45	500	none
POND 8	inactive	14.97	2200	none
POND 9	inactive	12.01	400	none
POND 10	active	0.94	50	none
POND 11	active	4.67	1200	none

LOCATION

COUNTY: BA LAND OWNER: Genstar

BASIN CODE: 02130803 TAX MAP PAGES: 73,83

RIVER/STREAM: LIBER: 5732

White Marsh Run

MD GRID COORDINATES: FOLIO: 542

NORTH: 563 EAST: 951 ACRES: 276.15

PARCEL NUMBER: 4

See appendix I, page(s) 26-36 for specific details on individual ponds.

COMPANY NAME: GENSTAR-CHASE

SITE NUMBER: BA2-77-SP-0056

NUMBER OF PONDS ON SITE: 1

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	6.93	5000	intermediate
POND 2				
POND 3				
POND 4				
POND 5				
POND 6				
POND 7				
POND 8			·	
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: BA LAND OWNER: Genstar

BASIN CODE: 02130801 TAX MAP PAGES: 83

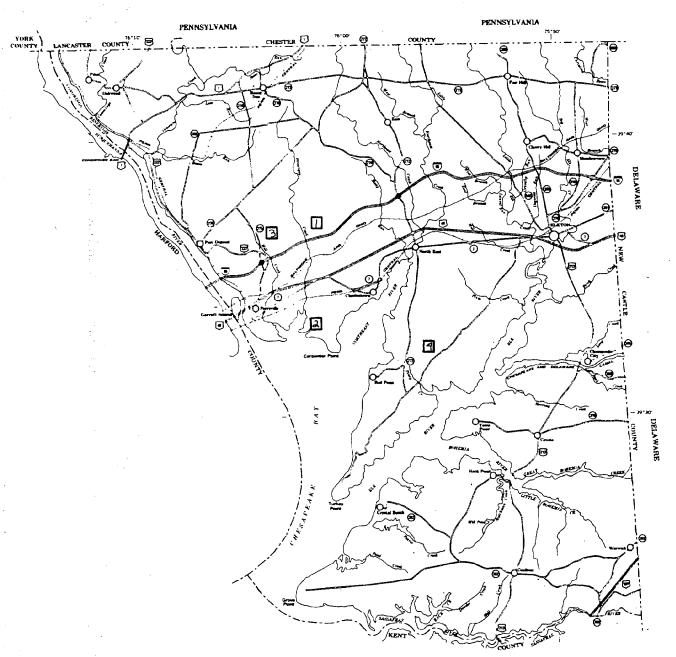
RIVER/STREAM: LIBER: 5619

Bird River
MD GRID COORDINATES: FOLIO: 725

NORTH: 556
EAST: 974
ACRES: 398.6

PARCEL NUMBER: 454,413

See appendix I, page(s) 37 for specific details on individual ponds.



- 1 York Building Products Belvedere
- 2 Stancills, Inc.
- 3 Cecil Sand & Gravel
- 4 York Building Products Northeast

COMPANY NAME: YORK BUILDING PRODUCTS-BELVEDERE

SITE NUMBER: CE1-77-SP-0081

NUMBER OF PONDS ON SITE: 8

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	inactive	7.87	1600	none
POND 2	inactive	4.09	600	none
POND 3	inactive	4.55	800	none
POND 4	inactive	6.07	1000	none
POND 5	active	24.00	1200	none
POND 6	active	22.50	1400	none
POND 7	active	12.80	1500	none
POND 8	active	24.20	1600	none
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: CE LAND OWNER: York Building Products

BASIN CODE: 02130609 TAX MAP PAGES: 24,30

RIVER/STREAM: LIBER: 65

Principio Creek
MD GRID COORDINATES: FOLIO: 783

NORTH: 640 EAST: 1070 ACRES: 2,024

PARCEL NUMBER: 241

See appendix I, page(s) 38-45 for specific details on individual ponds.

COMPANY NAME: STANCILLS, INC.

SITE NUMBER: CE2-77-SP-0090

NUMBER OF PONDS ON SITE: 2

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	5.73	400	low
POND 2	active	6.80	500	low
POND 3				
POND 4				
POND 5				
POND 6				
POND 7				
POND 8	·			-
POND 9			·	
POND 10				
POND 11				

LOCATION

COUNTY: CE

LAND OWNER: Stancills, Inc.

BASIN CODE: 02130609

TAX MAP PAGES: 35

RIVER/STREAM:

Furnace Bay-Principio Creek

MD GRID COORDINATES:

NORTH: 633

EAST: 1074

LIBER: 300

FOLIO: 400

ACRES: 138

PARCEL NUMBER: 121

See appendix I, page(s) for specific details on individual ponds. 46-47

COMPANY NAME: CECIL SAND AND GRAVEL

SITE NUMBER: CE3-80-SP-0353

NUMBER OF PONDS ON SITE: 5

·	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	1.38	1500	none
POND 2	active	1.49	1500	none
POND 3	active	0.92	1500	none
POND 4	active	1.87	1500	none
POND 5	active	1.31	1500	low
POND 6	·			
POND 7				
POND 8	·			
POND 9				·
POND 10				
POND 11	>			

	ON

COUNTY: CE LAND OWNER: Eastern Shore Sand and Gravel

LIBER: 78

BASIN CODE: 02130609 TAX MAP PAGES: 23

*

Mill Creek

RIVER/STREAM:

MD GRID COORDINATES: FOLIO: 506
NORTH: 649

EAST: 1062 ACRES: 59.50

PARCEL NUMBER: 60

ee appendix I, page(s) 48-52 for specific details on individual ponds.

COMPANY NAME: YORK BUILDING PRODUCTS-NORTHEAST

SITE NUMBER: CE4-77-SP-0080

NUMBER OF PONDS ON SITE: 4

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	11.75	31250	low
POND 2	active	9.11	31250 ´	low
POND 3	active	6.01	31250	low
POND 4	active	1.89	31250	low
POND 5	_			
POND 6				
POND 7				
POND 8				
POND 9				
POND 10			·	
POND 11				

LOCATION

COUNTY: CE

LAND OWNER: York Building Products

BASIN CODE: 02130608

TAX MAP PAGES: 36

RIVER/STREAM: Plum Creek

LIBER: 105

MD GRID COORDINATES:

FOLIO: 488

NORTH: 630

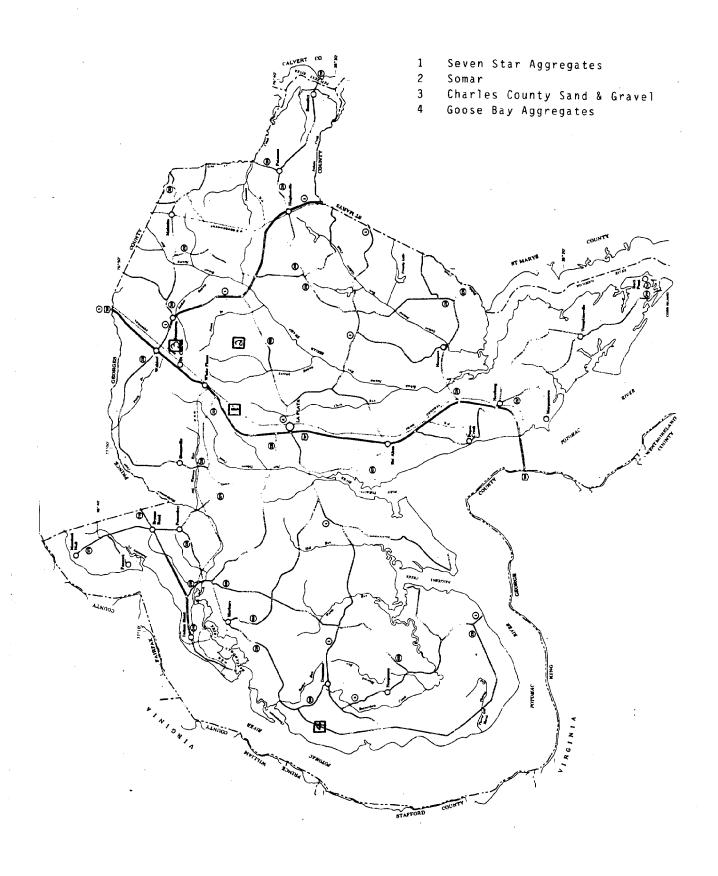
ACRES: 431.46

EAST : 1105

PARCEL NUMBER: 76

See appendix I, page(s) 53-56 for specific details on individual ponds.

CHARLES COUNTY



COMPANY NAME: SEVEN STAR AGGREGATES

SITE NUMBER: CH1-87-SP-0249

NUMBER OF PONDS ON SITE: 5

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	1.32	1000	high
POND 2	active	1.22	1000	high
POND 3	active	1.62	1000	high
POND 4	active	2.30	1000	high
POND 5	active	4.40	1000	low
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: CH

LAND OWNER: Seven Star Aggregates

BASIN CODE: 02140109

TAX MAP PAGES: 23

RIVER/STREAM: Clark Run LIBER: 766

MD GRID COORDINATES:

FOLIO: 205

NORTH: 270 EAST: 810

ACRES: 104.67

PARCEL NUMBER: 12

See appendix I, page(s) 57-61 for specific details on individual ponds.

COMPANY NAME: SOMAR

SITE NUMBER: CH2-80-SP-0633

NUMBER OF PONDS ON SITE: 0

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1				
POND 2				·
POND 3		,		
POND 4				·
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: CH

LAND OWNER: ST. Charles Associates

BASIN CODE: 02140108

TAX MAP PAGES: 24

RIVER/STREAM:

LIBER: 454

Zekiah Swamp
MD GRID COORDINATES:

FOLIO: 21

NORTH: 262

ropio. Zi

NORTH: 262 EAST: 828

ACRES: 2394.65

PARCEL NUMBER: 1

See appendix I, page(s)

for specific details on individual ponds.

62

COMPANY NAME: CHARLES COUNTY SAND AND GRAVEL

SITE NUMBER: CH3

NUMBER OF PONDS ON SITE: 4

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	6.30	2500	low
POND 2	active	4.90	2500	low
POND 3	inactive	2.14	2300	intermediate
POND 4	inactive	3.41	2300	low
POND 5				
POND 6				
POND 7	·			
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: CH LAND OWNER: Charles County Sand and Gravel

BASIN CODE: 02140108 TAX MAP PAGES: 24

RIVER/STREAM: LIBER: 963

Jordan Swamp
MD GRID COORDINATES: FOLIO: 231

NORTH: 289 EAST: 833 ACRES: 63.66

PARCEL NUMBER: 5

See appendix I, page(s) 63-66 for specific details on individual ponds.

COMPANY NAME: GOOSE BAY AGGREGATES

SITE NUMBER: CH4-82-SP-0139

NUMBER OF PONDS ON SITE: 9

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	6.00	3100	low
POND 2	active	7.86	3100	low
POND 3	active	3.63	3100	low
POND 4	inactive	0.44	3100	low
POND 5	inactive	0.72	3100	low
POND 6	inactive	3.90	3100	low
POND 7	active	1.26	3100	intermediate
POND 8	active	2.11	3100	intermediate
POND 9	active	4.46	3100	intermediate
POND 10				
POND 11				

LOCATION

COUNTY: CH LAND OWNER: Goose Bay Aggregates

BASIN CODE: 02141102 TAX MAP PAGES: 40

RIVER/STREAM: LIBER: 1043

Potomac River

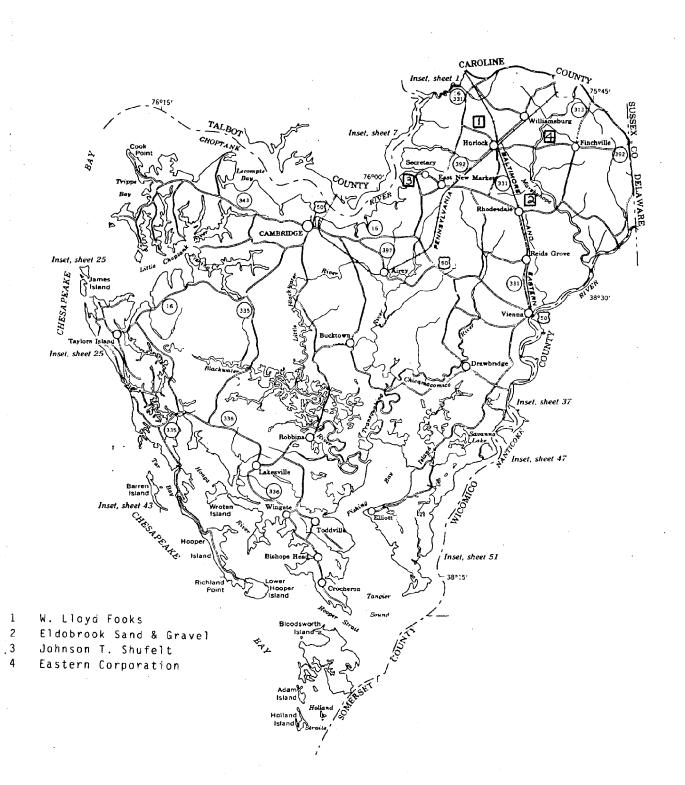
MD GRID COORDINATES: FOLIO: 135 NORTH: 245

EAST: 732 ACRES: 312

PARCEL NUMBER: 5,128

See appendix I, page(s) 67-75 for specific details on individual ponds.

DORCHESTER COUNTY



COMPANY NAME: FOOKS SAND AND GRAVEL

SITE NUMBER: DO1-77-SP-0105

NUMBER OF PONDS ON SITE: 1

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	6.19	1000	none
POND 2				
POND 3				
POND 4				
POND 5		_		
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: DO LAND OWNER: W.Lloyd Fooks

BASIN CODE: 02130403 TAX MAP PAGES: 5

RIVER/STREAM: LIBER: 163

Gravel Run

MD GRID COORDINATES: FOLIO: 511
NORTH: 308

EAST : 1117 ACRES: 92.15

PARCEL NUMBER: 15,87

See appendix I, page(s) 76 for specific details on individual ponds.

COMPANY NAME: ELDOBROOK SAND AND GRAVEL

SITE NUMBER: DO2-86-SP-0243

NUMBER OF PONDS ON SITE: 1

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD	
POND 1	active	0.66	3100	none	
POND 2					
POND 3					
POND 4				2	
POND 5					
POND 6					
POND 7					
POND 8				·	
POND 9					
POND 10	,				
POND 11					

LOCATION

COUNTY: DO

LAND OWNER: Thomas L. Barnett

BASIN CODE: 02130306

TAX MAP PAGES: 35

RIVER/STREAM:

LIBER: 226

Marshy Hope Creek MD GRID COORDINATES:

FOLIO: 319

NORTH: 275

ACRES: 61.20

EAST : 1141

PARCEL NUMBER: 66

See appendix I, page(s)

for specific details on individual ponds.

COMPANY NAME: JOHNSON T. SHUFELT

SITE NUMBER: DO3-77-SP-0098

NUMBER OF PONDS ON SITE:

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active		400	none
POND 2				
POND 3				
POND 4				
POND 5				
POND 6				
POND 7				-
POND 8				
POND 9				·
POND 10				
POND 11				

LOCATION

· COUNTY: DO

LAND OWNER: Johnson T.Shufelt

BASIN CODE: 02130403

TAX MAP PAGES: 13

RIVER/STREAM:

LIBER: 218

Warwick River

MD GRID COORDINATES:

FOLIO: 75

NORTH: 282

ACRES: 104.40

EAST : 1100

PARCEL NUMBER: 16

See appendix I, page(s)

for specific details on individual ponds.

COMPANY NAME: EASTERN CORPORATION

SITE NUMBER: DO4-77-SP-0100

NUMBER OF PONDS ON SITE:

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active		50	low
POND 2				
POND 3				
POND 4				
POND 5				
POND 6				
POND 7		·		
POND 8				
POND 9				
POND 10				
POND 11	·			

LOCATION

COUNTY: DO

LAND OWNER: Eastern Corporation

BASIN CODE: 02130306

TAX MAP PAGES: 7

RIVER/STREAM:

LIBER:

Marshy Hope Creek

MD GRID COORDINATES:

FOLIO:

NORTH: 304

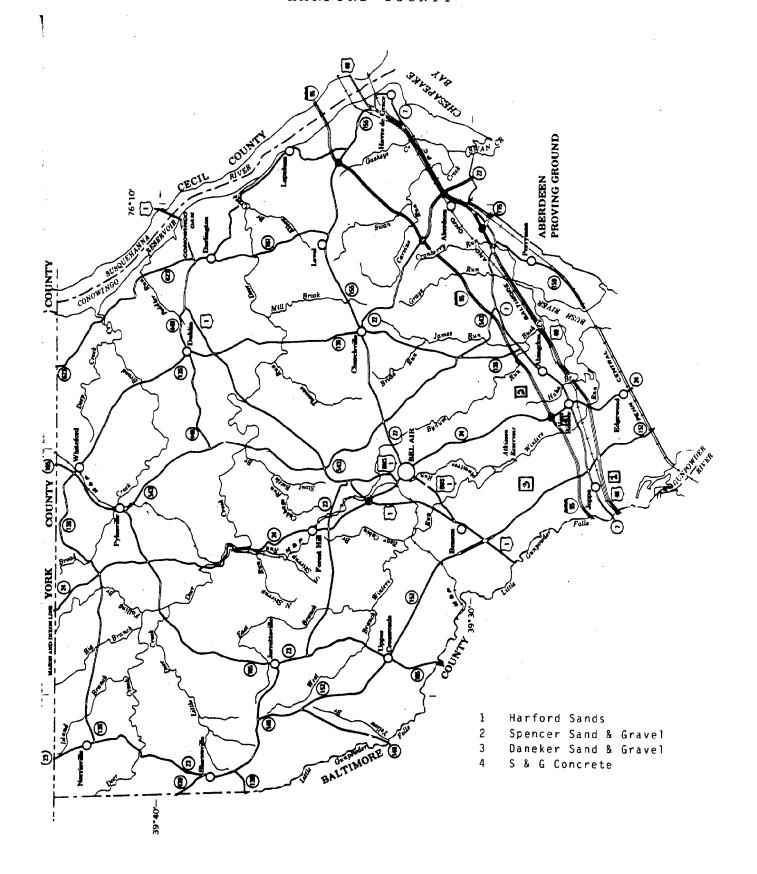
ACRES: 176.45

EAST: 1149

PARCEL NUMBER: 30

See appendix I, page(s)

for specific details on individual ponds.



COMPANY NAME: HARFORD SANDS, INC.

SITE NUMBER: HA1-77-SP-0089

NUMBER OF PONDS ON SITE: 1

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	8.90	100	high
POND 2				
POND 3				
POND 4				
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10			;	
POND 11			·	

LOCATION

COUNTY: HA

LAND OWNER: Stancills, Inc.

BASIN CODE: 02130801

TAX MAP PAGES: 65

RIVER/STREAM:

unnamed trib.to Gunpowder

MD GRID COORDINATES:

LIBER: 308

FOLIO: 401

NORTH: 573

ACRES: 90.4

EAST : 988

PARCEL NUMBER: 320

ee appendix I, page(s)

80

for specific details on individual ponds.

COMPANY NAME: SPENCER SAND AND GRAVEL

SITE NUMBER: HA2-77-SP-0076

NUMBER OF PONDS ON SITE: 2

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	inactive	0.27	5000	none
POND 2	inactive	0.55	5000	none
POND 3				
POND 4				
POND 5				
POND 6				
POND 7			,	
POND 8				
POND 9				
POND 10				
POND 11		·		

LOCATION

COUNTY: HA LAND OWNER: Spencer Sand and Gravel

BASIN CODE: 02130704 TAX MAP PAGES: 62

RIVER/STREAM: LIBER: 675

Bush Run Tributary

MD GRID COORDINATES: FOLIO: 511

NORTH: 597
EAST: 1001 ACRES: 58.92

PARCEL NUMBER: 2

See appendix I, page(s) 81-82 for specific details on individual ponds.

COMPANY NAME: DANEKER SAND AND GRAVEL

SITE NUMBER: HA3-79-SP-0119

NUMBER OF PONDS ON SITE: 2

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	inactive	0.39	2000	none
POND 2	inactive	0.45	2000	none
POND 3				
POND 4				
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: HA LAND OWNER: M.E.Daneker

BASIN CODE: 02130702 TAX MAP PAGES: 61

RIVER/STREAM:

Winters Run Tributary

MD GRID COORDINATES:

NORTH: 593

EAST : 983

LIBER: 1005

70770 070

FOLIO: 870

ACRES: 51.3

PARCEL NUMBER: 74

ee appendix I, page(s) 83-84 for specific details on individual ponds.

COMPANY NAME: S AND G CONCRETE

SITE NUMBER: HA4-83-SP-0149

NUMBER OF PONDS ON SITE: 3

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	1.92	1500	none
POND 2	active	1.15	1500	low
POND 3	active	2.56	1500	low
POND 4				÷.
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: HA LAND OWNER: S&G Concrete

BASIN CODE: 02130702 TAX MAP PAGES: 61

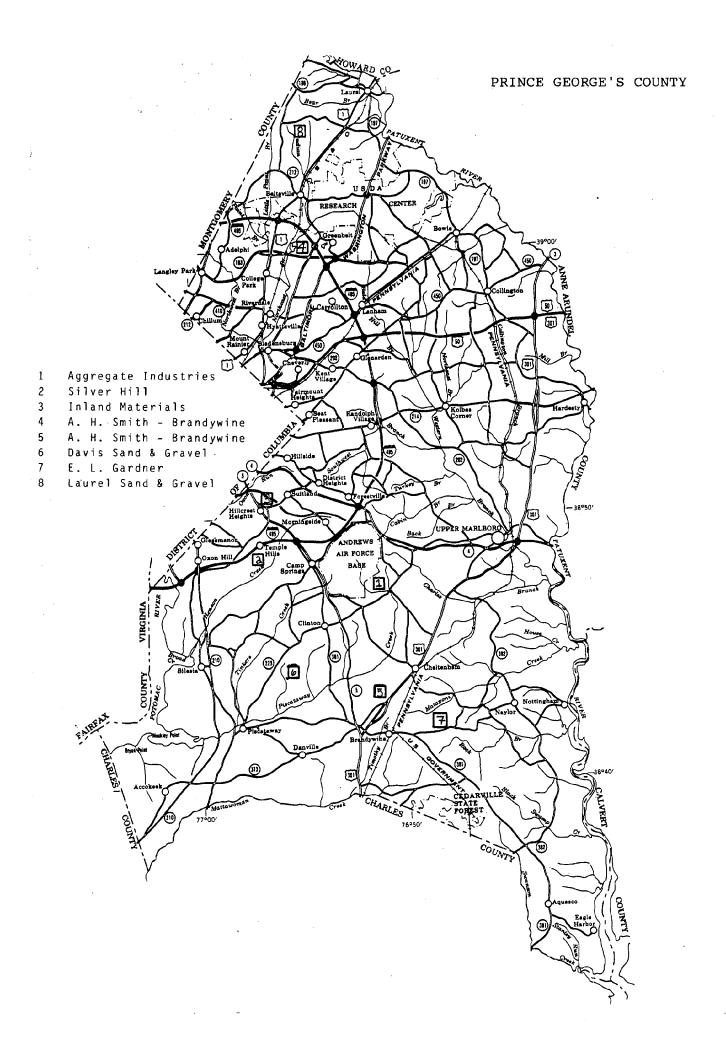
RIVER/STREAM: LIBER: 306

Winters Run
MD GRID COORDINATES: FOLIO: 296

NORTH: 589
EAST: 993 ACRES: 223

PARCEL NUMBER: 147

See appendix I, page(s) 85-87 for specific details on individual ponds.



COMPANY NAME: AGGREGATE INDUSTRIES

SITE NUMBER: PG1

NUMBER OF PONDS ON SITE: 1

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	5.41	30000	low
POND 2				
POND 3				
POND 4				
POND 5				
POND 6				
POND 7				
POND 8				
POND 9	·			
POND 10				
POND 11				

LOCATION

COUNTY: PG LAND OWNER: Rockville Crushed Stone

BASIN CODE: 02140201 TAX MAP PAGES: 108

RIVER/STREAM: LIBER: 6358

Piscataway Creek

MD GRID COORDINATES: FOLIO: 705

NORTH: 350
EAST: 841 ACRES: 50

PARCEL NUMBER: 38

ee appendix I, page(s) 88 for specific details on individual ponds.

COMPANY NAME: SILVER HILL

SITE NUMBER: PG2

NUMBER OF PONDS ON SITE: 1

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	4.64	20000	none
POND 2				
POND 3				
POND 4				
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: PG

LAND OWNER: Silver Hill

BASIN CODE: 02140204

TAX MAP PAGES: 106

RIVER/STREAM:

LIBER: 5947

Henson Creek

FOLIO: 607

MD GRID COORDINATES:

NORTH: 359

ACRES: 34.79

EAST: 809

PARCEL NUMBER: 343

See appendix I, page(s)

for specific details on individual ponds.

COMPANY NAME: INLAND MATERIALS

ITE NUMBER: PG3

UMBER OF PONDS ON SITE: 2

•				
.·	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	4.43	60000	low
POND 2	active	1.24	60000	none
POND 3				
POND 4				
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: PG

LAND OWNER: Inland Materials

BASIN CODE: 02140204

TAX MAP PAGES: 88

RIVER/STREAM:

Oxon Run

LIBER: 5188

MD GRID COORDINATES:

FOLIO: 414

NORTH: 369

ACRES: 62.73

EAST : 810

PARCEL NUMBER: 237

ae appendix I, page(s) 90-91 for specific details on individual ponds.

COMPANY NAME: A. H. SMITH-BRANCHVILLE

SITE NUMBER: PG4

NUMBER OF PONDS ON SITE:

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1				
POND 2				
POND 3				·
POND 4				
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				·

	LOCATION	
COUNTY: PG	LAND OWNER: A.H.Smith	
BASIN CODE:	TAX MAP PAGES:	

RIVER/STREAM:

MD GRID COORDINATES: NORTH: 0

EAST: 0

FOLIO:

LIBER:

ACRES:

PARCEL NUMBER:

for specific details on individual ponds. See appendix I, page(s) 92

COMPANY NAME: A. H. SMITH-BRANDYWINE

SITE NUMBER: PG5

NUMBER OF PONDS ON SITE:

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1				
POND 2				
POND 3				
POND 4				
POND 5				
POND 6				
POND 7				
POND 8				
POND 9			,	
POND 10				
POND 11				

LOCATION

COUNTY: PG

LAND OWNER: A.H.Smith

BASIN CODE:

TAX MAP PAGES:

RIVER/STREAM:

LIBER:

MD GRID COORDINATES:

FOLIO:

NORTH: 0

EAST: 0

ACRES:

PARCEL NUMBER:

See appendix I, page(s)

93

for specific details on individual ponds.

COMPANY NAME: DAVIS SAND AND GRAVEL

SITE NUMBER: PG6

NUMBER OF PONDS ON SITE:

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1				
POND 2	·			
POND 3				
POND 4				
POND 5				
POND 6				
POND 7				·
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: PG

LAND OWNER: A.H.Smith

BASIN CODE:

TAX MAP PAGES: 125

RIVER/STREAM:

LIBER: 1391

MD GRID COORDINATES:

FOLIO: 435

NORTH: 0

EAST : 0

ACRES: 70.38

PARCEL NUMBER: 62

See appendix I, page(s)

for specific details on individual ponds.

COMPANY NAME: E.L. GARDNER

SITE NUMBER: PG7-77-SP-0013

JUMBER OF PONDS ON SITE: 4

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	0.68	20000	none
POND 2	active	0.60	20000	none
POND 3	active	0.30	20000	none
POND 4	active	1.55	20000	none
POND 5				
POND 6				
POND 7				
POND 8		·		
POND 9				
POND 10				·
POND 11				

LOCATION

COUNTY: PG

LAND OWNER: E.L.Gardner

BASIN CODE: 02131102

TAX MAP PAGES: 146

RIVER/STREAM:

LIBER: 4953

Rock Creek

MD GRID COORDINATES:

FOLIO: 853

NORTH: 317

ACRES: 449.25

EAST : 853

PARCEL NUMBER: 151

se appendix I, page(s) 95-98

for specific details on individual ponds.

COMPANY NAME: LAUREL SAND AND GRAVEL

SITE NUMBER: PG8

NUMBER OF PONDS ON SITE: 4

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	15.52	20000	low
POND 2	active	18.68	20000	low
POND 3	active	29.09	20000	low
POND 4	active	7.90	20000	low
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: PG LAND OWNER: B.A.LTD.Partnership

BASIN CODE: 02140205 TAX MAP PAGES: 5

RIVER/STREAM: LIBER: 5511

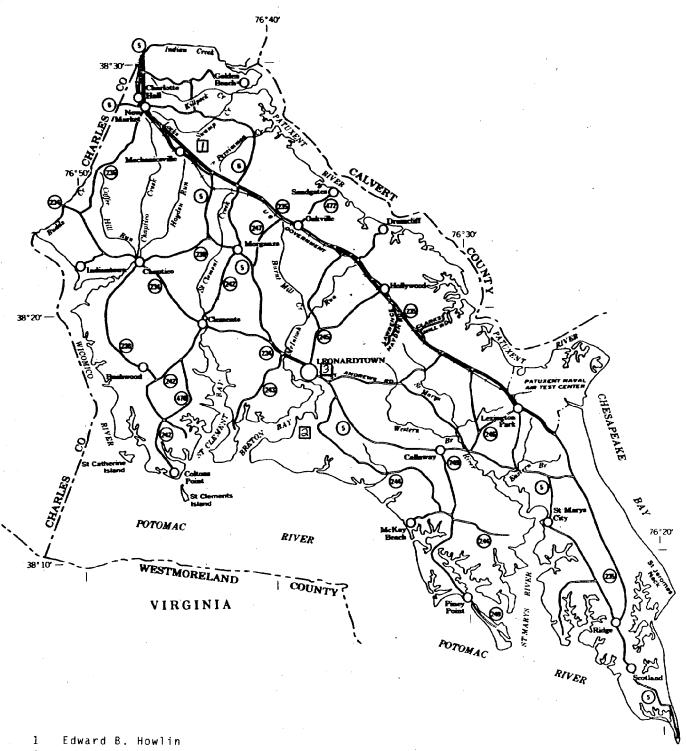
Indian Creek
MD GRID COORDINATES: FOLIO: 392

NORTH: 465

EAST: 829 ACRES: 55.23

PARCEL NUMBER: 136

See appendix I, page(s) 99-102 for specific details on individual ponds.



- 2 Maryland Rock
- 3 Leonardtown Sand & Gravel

COMPANY NAME: EDWARD B. HOWLIN

FITE NUMBER: SM1

NUMBER OF PONDS ON SITE: 4

)	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	1.27	200	high
POND 2	active .	0.53	500	low
POND 3	active	0.50	700	low
POND 4	active	0.63	900	low
POND 5				
POND 6				
POND 7			4	
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: SM LAND OWNER: Edward B.Howlin

BASIN CODE: 02140107 TAX MAP PAGES: 4

RIVER/STREAM:

Swamp Creek

MD GRID COORDINATES:

NORTH: 225

EAST : 869

LIBER:

FOLIO:

ACRES: 16.07

PARCEL NUMBER: 27-9,426

see appendix I, page(s) 103-106 for specific details on individual ponds.

COMPANY NAME: MARYLAND ROCK INDUSTRIES, INC.

SITE NUMBER: SM2-77-SP-0119

NUMBER OF PONDS ON SITE: 8

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	0.82	2000	low
POND 2	active	0.79	2000	low
POND 3	active	0.78	2000	low
POND 4	active	0.76	2000	low
. POND 5	active	1.07	2000	low
POND 6	active	0.98	1700	low
POND 7	active°	0.39	1500	low
POND 8	active .	0.76	1500	low
POND 9	·			
POND 10				
POND 11				

LOCATION

COUNTY: SM LAND OWNER: Florida Rock

BASIN CODE: 02140104 TAX MAP PAGES: 48

RIVER/STREAM: LIBER: 294

Breton Bay
MD GRID COORDINATES: FOLIO: 177

NORTH: 902 EAST: 155 ACRES: 306.49

PARCEL NUMBER: 64

See appendix I, page(s) 107-114 for specific details on individual ponds.

COMPANY NAME: LEONARDTOWN SAND AND GRAVEL

SITE NUMBER: SM3

NUMBER OF PONDS ON SITE: 6

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	1.34	800	intermediate
POND 2	active	1.19	800	high
POND 3	active	0.76	800	intermediate
POND 4	active	0.37	20	low
POND 5	active	0.19	20	low
POND 6	active	0.30	20	low
POND 7	·			
POND 8				
POND 9				
POND 10		١		
POND 11	·			

LOCATION

COUNTY: SM LAND OWNER: Leonardtown Sand and Gravel

BASIN CODE: 02140103 TAX MAP PAGES: 41

RIVER/STREAM:

Glebe Run, Gravelly Run

MD GRID COORDINATES:

NORTH: 165

EAST : 910

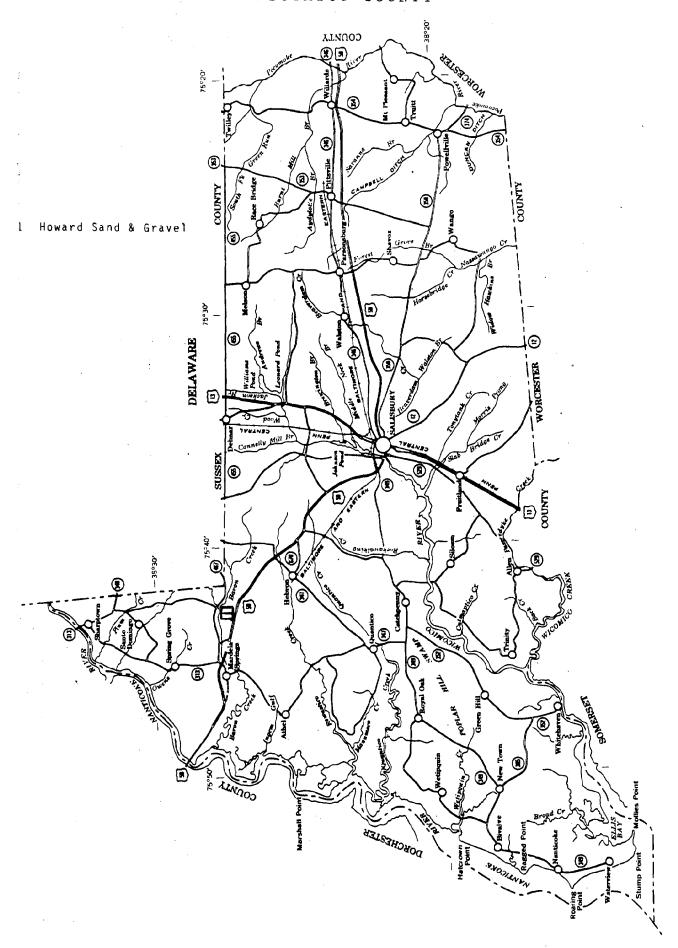
LIBER: 164

FOLIO: 225

ACRES: 236.71

PARCEL NUMBER: 27

See appendix I, page(s) 115-120 for specific details on individual ponds.



COMPANY NAME: HOWARD SAND AND GRAVEL

SITE NUMBER: WI1-77-SP-0094

NUMBER OF PONDS ON SITE: 1

\$ 	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	8.86	150	low
POND 2				
POND 3				
POND 4				
POND 5				
POND 6				,
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: WI LAND OWNER: Howard Sand and Gravel

BASIN CODE: 02130305 TAX MAP PAGES: 9

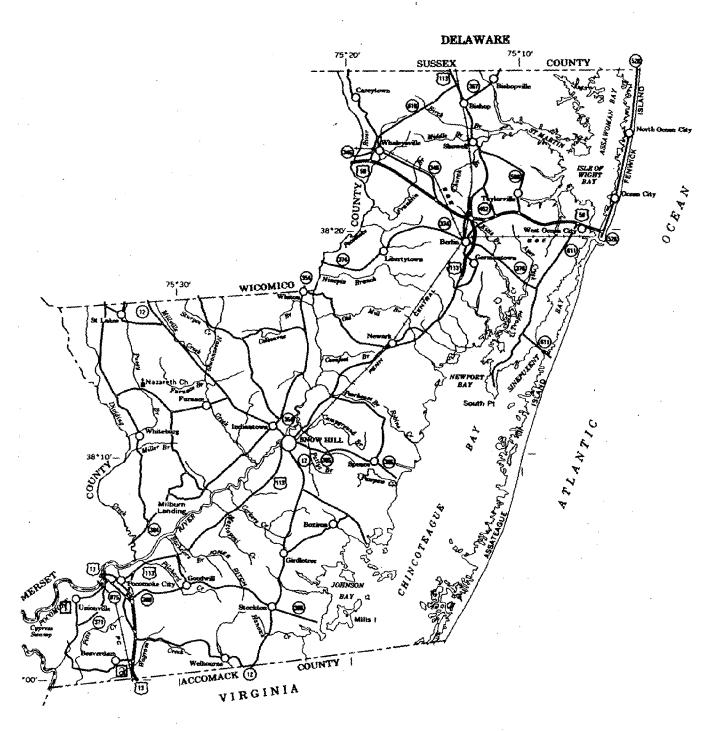
RIVER/STREAM: LIBER: 626
Barren Creek

MD GRID COORDINATES: FOLIO: 62

NORTH: 231 EAST: 1167 ACRES: 41.55

PARCEL NUMBER: 28

ee appendix I, page(s) 121 for specific details on individual ponds.



- 1 Blades Materials
- 2 Lance J. Eller

COMPANY NAME: BLADES MATERIALS, INC.

SITE NUMBER: WO1-77-SP-0032

NUMBER OF PONDS ON SITE: 1

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	128.00	20	low
POND 2				
POND 3				
POND 4	·			
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10			,	
POND 11				

LOCATION

COUNTY: WO LAND OWNER: Blades Materials, Inc.

BASIN CODE: 02130202 TAX MAP PAGES: 83,91

RIVER/STREAM: LIBER: 474

Pocomoke River
MD GRID COORDINATES: FOLIO: 496

NORTH: 86
EAST: 1200 ACRES: 489

PARCEL NUMBER: 76-9,31-2

ee appendix I, page(s) 122 for specific details on individual ponds.

COMPANY NAME: LANCE J. ELLER, INC.

SITE NUMBER: WO2-77-SP-0123

NUMBER OF PONDS ON SITE: 1

	ACTIVE/INACTIVE	SIZE (Acres)	PROXIMITY TO STREAM (feet)	POTENTIAL HAZARD
POND 1	active	3.00	300	low
POND 2				
POND 3				
POND 4				
POND 5				
POND 6				
POND 7				
POND 8				
POND 9				
POND 10				
POND 11				

LOCATION

COUNTY: WO LAND OWNER: Lance J. Eller

BASIN CODE: 02130202 TAX MAP PAGES: 100

RIVER/STREAM: LIBER: 312 Wagram

MD GRID COORDINATES:

FOLIO: 346 NORTH: 63

EAST : 1217 **ACRES: 132.5**

PARCEL NUMBER: 14

for specific details on individual ponds. See appendix I, page(s) 123

LIST OF SITES WITH A HIGH POTENTIAL HAZARD FOR ONE OR MORE PONDS

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SITES WITH HIGH POTENTIAL HAZARDS FOR ONE OR MORE PONDS

SITE #	COMPANY NAME	PAGE(S)
ANNE ARUNDEL COUNTY		
AA2-77-SP-0026 AA3-84-SP-0180	Annapolis Sand and Gravel Laurel Sand and Gravel	I - 4 I - 8
CHARLES COUNTY		
CH1-87-SP-0249	Seven Star Aggregates	I - 57-60
HARFORD COUNTY	·.	
HA1-77-SP-0089	Harford Sands, Inc.	I - 80
ST. MARY'S COUNTY		
SM1 SM3	Edward B. Howlin Leonardtown Sand and Gravel	I - 103 I - 116

CONCLUSIONS/RECOMMENDATIONS

Of the thirty-six sites visited, no two were alike. The sites varied in many aspects including whether or not it was an active mining site, if there was a river or stream on or adjacent to the property, the number of ponds at the site, and the condition of the ponds. All of these factors were taken into consideration when assessing the potential hazards of any given pond. At some sites the entire pond system appeared stable, other sites had problems with a single pond and some sites had problems with many aspects of the pond system.

Two sites in Anne Arundel County have pond systems which are representative of a desireable system. The ponds have Soil Conservation District approval and were built to Soil Conservation Service specifications. The ponds at both sites were well vegetated with grass and are maintained on a regular basis.

One of the sites in St. Mary's County is a good example of a site with a single pond which presents high potential hazards. This site is a wash plant with a pond system that is not located at a surface mine. All four ponds would benefit from better vegetation. The one pond labelled as having a high potential hazard is an embankment pond. The height of the pond embankment is $30 \pm$ feet; the embankment also was covered with trees. It is unknown whether or not the material was compacted during construction. Because that information was unavailable, it was felt by the author best to label the pond as having a high potential hazard.

Another site in St. Mary's County is representative of a site with several ponds that are improperly built and maintained and present high potential hazards. No mining occurs at this site so routine inspections are not made. The first three ponds encountered are surrounded by one main embankment and then broken apart internally by separator dikes. The top width of the main dike varies from 1 foot to 10 feet and the height of the embankment also varies in different areas of the pond. The material comprising the embankment is uncompacted and appears to be pushed up to increase the capacity of the ponds. Only one pond was labelled as having a high potential hazard; the embankment around that pond was in poor condition and large amounts of uncompacted material were being added to make the embankment higher. The embankments for all these ponds should be graded to a minimum 2:1 slope, vegetatively stabilized, and properly maintained. No spillway was observed at these ponds. Gravelly Run and Glebe Run are approximately 800 feet from the ponds, increasing the potential hazards for sediment deposition in the event of failure of the embankment. The whole site would

benefit from a redesign of the pond system, vegetative stabilization, and maintenance.

These are a few examples of what distinguished the different sites. The sites highlighted are representative of what was encountered in the field. Every site could not be described in detail.

An overall problem found was non-existent, sparse or improper vegetation. All ponds benefit from dense grass coverage which protects the structure from erosion and allows inspections for potential weaknesses or problems to be done easily. Inspection of wash water settling ponds is necessary to ensure that any potential hazards or problems are corrected. Natural Resources Article sections 8-801 to 8-814 allow for inspection of these ponds and the initiation of necessary enforcement action. A large number of the ponds now in existence were built many years ago, making regulation more difficult. These ponds were not built to approved standards and specifications and retroactive requirements are difficult to impose. emphasizes the necessity for operators to obtain pond approval before initiating construction. Frequent inspection of wash ponds would be beneficial to decreasing the potential hazard of an increased sediment load to waters of the State due to wash pond failure. Cooperation among various agencies, both State and local is essential as these ponds are necessary to the production of sand and gravel products. With education of the operators as to existing regulations and the proper construction and maintenance methods for the ponds, the agency responsible for their inspection should have fewer problems to address. As with any regulatory process, it is desirable to create a preventative attitude for dealing with a given situation rather than a correctional one.

It is recommended by the author that the operators be advised of existing regulations and requirements governing wash ponds. This could be accomplished by an explanatory note on the Application to Surface Mine, the Application to Appropriate Water and the Application to Discharge Water. Notification could also be accomplished though the Maryland Aggregates Association, Inc. Once the operators have been advised of the requirements, there should be no excuse for ponds constructed without approvals and improperly maintained. Sand and gravel operators should be notified before existing regulations are strictly enforced; perhaps an effective date should be set after which time all ponds will be strictly regulated. Once that mandate is made, it must be adhered to. The degree to which regulatory actions will be applied on ponds should be determined. In some cases, the ponds already in existence present so many problems that the best plan would be to reclaim them and redesign new structures.

The material from these ponds also presents a disposal problem for the operator. It is very fine, supersaturated and in order to maintain the capacity of the pond, the operator must clean out the material. If mixed with other types of material, the wash fines could be used in reclamation of the site. Although it is expensive, the flocculent method seems to be effective both in terms of being able to handle the material and removing potential hazards to the waters of the State. After a flocculent is used the wash fines are settled out in tanks at the plant before being removed to be used in reclamation of the site. This material is semi-dry, mixes well with topsoil and overburden, and therefore is easier to dispose of in the reclamation process.

The final dilemma for all concerned is reclamation of these ponds. The material in these ponds can be stored for years and only the top 2-5 feet will dry. Future development should not occur on an area containing unreclaimed wash ponds. The ponds should be reclaimed by dredging or dipping out the wash fines, mixing them with heavier material, removing the embankment and putting the material back into the pond area which should then be compacted, graded and vegetatively stabilized. The reclaimed area may also benefit from the application of sludge as a soil amendment to provide nutrients for a good vegetative cover.

Reclamation is particularly a problem at sites not associated with a surface mine since they are not governed by a permit. A requirement for reclamation could be established at the county level when zoning is approved, or when an application for a use and occupancy permit or a grading permit is made. Reclamation could then be a condition enforced by the appropriate county agency at sites not on or adjacent to an active surface mine. Therefore, the most effective means for taking care of the wash plant and pond regulatory issue is for State and local agencies to work together.

LITERATURE CITED

Maryland Soil Conservation Service Standard and Specifications for Ponds 378-1, approved for use in Maryland, July 1981

Maryland Soil Conservation Service Standard and Specifications for Basin for Dredged Material 350 - AA - 1, approved for use in Maryland, November 1979

Annotated Code of Maryland Section 4-413, 4-415, 8-801-8-814 Michie Company, Law Publishers 1974 Charlottesville, Va.

Maryland Dam Safety Manual Water Resources Administration Department of Natural Resources

APPENDIX 1 VIII.

LITERATURE CITED VII.

CONCLUSIONS/

RECOMMENDATIONS

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Pond Inventory Sheet

	IDENTIFICATION								
COMPANY: BRAN	NDYWINE SANI	D AND GRAV	EL	NO. OF PO	ONDS ON SITE	2: 3			
SITE NUMBER:	AA1-78-SP-	0018		NUMBER: 1	• .				
		DESCR	IPTION OF	POND					
POND IS:	ACTIVE		<u>x</u> INACTIV	7E · ·					
POND TYPE:	DUGOUT		x EMBANK	MENT					
SPILLWAY TYPE	: <u>x</u> BARREL	W/RISER	EMERGEN	ICYF	PIPEN	IONE			
SIZE (ACRES):	6.18								
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope				
	13	14.0	16.8	2.8	4.0:1	·			
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAZ PERMITS / APE VEGETATION: _	ICY: CARDS: low PROVALS:	x_APPROPRI SPARSE	IATION <u>></u>	SE	E <u>x</u> SCD RUBS <u>x</u> J	NONE			
		LOC	ATION						
COUNTY: AA BASIN CODE: C			ŀ	NOR	RID COORDINA RTH: 405 ST : 895	ATES			
RIVER/STREAM:	Patuxent 1		AADVS						
		KEN	MARKS						

Effluent from plant flows through this pond before discharging into pond 2.

Pond Inventory Sheet

COMPANY: BRANDYWINE SAND AND GRAVEL NO. OF PONDS ON SITE: 3 SITE NUMBER: AA1-78-SP-0018 NUMBER: 2 DESCRIPTION OF POND							
DESCRIPTION OF POND							
DESCRIPTION OF FORD							
POND IS:INACTIVE							
POND TYPE: <u>x</u> DUGOUT <u>EMBANKMENT</u>							
SPILLWAY TYPE: x BARREL W/RISEREMERGENCYPIPENONE							
SIZE (ACRES): 3.80							
Top Width Depth Height Freeboard Downstream (feet) (feet) (feet) Slope							
SECTION:							
PROXIMITY TO STREAMS: 3000 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: low PERMITS / APPROVALS: X APPROPRIATION X DISCHARGE X SCD NONE VEGETATION: VOID X SPARSE DENSE GRASS WETLANDS VEGETATION X SHRUBS X TREES							
LOCATION							
COUNTY: AA MARYLAND GRID COORDINATES NORTH: 405 BASIN CODE: 02131104 EAST: 895							
RIVER/STREAM: Patuxent River							
REMARKS							

Once sides of pond are excavated and dredge spoil material is vegetatively stabilized, site should pose no problems.

Pond Inventory Sheet

IDENTIFICATION								
COMPANY: BRAN	NDYWINE SAN	D AND GRAV	EL	NO. OF PO	ONDS ON SITE	: 3		
SITE NUMBER:	AA1-78-SP-	0018		NUMBER: 3	ŀ			
		DESCR	IPTION OF	POND	·			
POND IS:	ACTIVE		_x_INACTIV	7E .				
POND TYPE:	DUGOUT		_x_EMBANKM	IENT				
SPILLWAY TYPE	: <u>x</u> BARREL	W/RISER	EMERGEN	ICYF	PIPEN	ONE		
SIZE (ACRES):	7.23							
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope			
	11	1.4	7.1	5.7	3.5:1			
PROXIMITY TO LIFE EXPECTANT POTENTIAL HAZE PERMITS / APE VEGETATION:	NCY: ZARDS: low PROVALS:VOID	SPARSE X WETLANI	ATION <u>x</u> DENS OS VEGETATI	-		NONE		
•		LOC	ATION					
COUNTY: AA BASIN CODE: 0	COUNTY: AA MARYLAND GRID COORDINATES NORTH: 405 BASIN CODE: 02131104 EAST: 895							
RIVER/STREAM:	Patuxent			·		····		
		REN	MARKS					

Abandoned pond, overgrown with wetlands vegetation; small trees and shrubs growing on embankment.

Pond Inventory Sheet

IDENTIFICATION								
COMPANY: ANNA	APOLIS SAND	AND GRAVEI	L	NO. OF PO	NDS ON SITE	: 1		
SITE NUMBER:	AA2-77-SP-	0026		NUMBER: 1				
DESCRIPTION OF POND								
POND IS:	<u>x</u> ACTIVE		INACTIV	Æ				
POND TYPE:	_x_DUGOUT		_x_EMBANKM	MENT				
SPILLWAY TYPE	: <u>x</u> BARREL	W/RISER	EMERGEN	ICYF	PIPEN	ONE		
SIZE (ACRES):	45.85				٦.			
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope	-		
SECTION:	16	10.8	13.2	2.3	4,0:1			
PROXIMITY TO STREAMS: 50 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: high								
PERMITS / APPROVALS:X_APPROPRIATION								
		LOC	CATION			·		
COUNTY: AA			1		RID COORDINA	TES		
BASIN CODE: 0	2131105				ST: 892			
RIVER/STREAM:	Patuxent		44 DI/O			 		
		REM	MARKS					

Two plants at this site. Before channel was installed, material drained down gradient from plant. Part of pond grown in with wetlands vegetation and trees. Mudcat used to pump material to containment area on top of old pond area. Dredge spoil piled outside impoundment with no vegetative coverage or controls.

Pond Inventory Sheet

POND TYPE:DUGOUTx_EMBANKMENT SPILLWAY TYPE:BARREL W/RISEREMERGENCYx_PIPENONE SIZE (ACRES): 1.51 Top Width Depth Height Freeboard Downstream (feet) (feet) (feet) Slope	IDENTIFICATION								
DESCRIPTION OF POND POND IS:	COMPANY: LAUI	REL SAND ANI	GRAVEL		NO. OF PO	NDS ON SITE	: 6		
POND IS:	SITE NUMBER:	AA3-84-SP-	0180		NUMBER: 1		· .		
POND TYPE:DUGOUTx EMBANKMENT SPILLWAY TYPE:BARREL W/RISEREMERGENCYx PIPENONE SIZE (ACRES): 1.51 TYPICAL			DESCR	IPTION OF	POND				
SPILLWAY TYPE:BARREL W/RISEREMERGENCY _x_PIPENONE SIZE (ACRES): 1.51 Typical	POND IS:	_x_ACTIVE		INACTIV	Æ				
TYPICAL TOP Width Depth Height Freeboard Downstream (feet) (feet) (feet) (feet) Slope 20 6.7 9.8 3.1 2.5:1 PROXIMITY TO STREAMS: 600 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: low PERMITS / APPROVALS:x_APPROPRIATIONDISCHARGESCDNONE VEGETATION:VOIDx_SPARSEDENSEDENSETREES LOCATION COUNTY: AA	POND TYPE:	DUGOUT		x EMBANKM	IENT		•		
TYPICAL SECTION: Top Width Depth (feet) (feet) (feet) Slope 20 6.7 9.8 3.1 2.5:1 PROXIMITY TO STREAMS: 600 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: low PERMITS / APPROVALS: APPROPRIATION DISCHARGE SCD NONE VEGETATION: VOID X_SPARSE DENSE TREES LOCATION COUNTY: AA	SPILLWAY TYPE	E:BARREL	W/RISER	EMERGEN	ICY <u>x</u> F	PIPEN	ONE		
TYPICAL (feet) (feet) (feet) Slope 20 6.7 9.8 3.1 2.5:1 PROXIMITY TO STREAMS: 600 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: low PERMITS / APPROVALS: _x_APPROPRIATIONDISCHARGESCDNONE VEGETATION:VOID _x_SPARSEDENSETREES LOCATION COUNTY: AA	SIZE (ACRES):	1.51							
PROXIMITY TO STREAMS: 600 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: low PERMITS / APPROVALS: APPROPRIATION DISCHARGE SCD NONE VEGETATION: VOID x_ SPARSE DENSE TREES LOCATION COUNTY: AA MARYLAND GRID COORDINATES NORTH: 470 BASIN CODE: 02131105	TYPICAL SECTION:				l .				
LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: low PERMITS / APPROVALS: APPROPRIATION DISCHARGE SCD NONE VEGETATION: VOID x SPARSE DENSE TREES X GRASS WETLANDS VEGETATION SHRUBS TREES LOCATION COUNTY: AA		20	6.7	9.8	3.1	2.5:1			
PERMITS / APPROVALS: _x_APPROPRIATIONDISCHARGESCDNONE VEGETATION:VOID _x_SPARSEDENSEDENSETREES LOCATION COUNTY: AA									
VEGETATION:VOIDx SPARSEDENSE	POTENTIAL HAZ	ZARDS: low				•			
LOCATION COUNTY: AA MARYLAND GRID COORDINATES NORTH: 470 EAST: 860 RIVER/STREAM: Dorsey Run	PERMITS / API	PROVALS: _	x_APPROPR]	IATION	DISCHARGE	Escd	NONE		
COUNTY: AA MARYLAND GRID COORDINATES NORTH: 470 EAST: 860 RIVER/STREAM: Dorsey Run	VEGETATION:					RUBST	REES		
NORTH: 470 BASIN CODE: 02131105 RIVER/STREAM: Dorsey Run	LOCATION								
RIVER/STREAM: Dorsey Run	7.3	02131105		P	NOI	RTH: 470	TES		
REMARKS	• • • • • • • • • • • • • • • • • • •		. n						
			REN	MARKS					

closed system, lack of vegetation increases embankment erosion problems and chance of failure.

Pond Inventory Sheet

IDENTIFICATION									
COMPANY: LAUI	REL SAND AND	GRAVEL		NO. OF PO	ONDS ON SITE	: 6			
SITE NUMBER:	AA3-84-SP-0	0180		NUMBER: 2	:				
		DESCR	IPTION OF	POND					
POND IS:	_x_ACTIVE		INACTIV	Æ					
POND TYPE:	DUGOUT		<u>x</u> EMBANKM	ENT					
SPILLWAY TYPI	E: <u>x</u> BARREL	W/RISER	EMERGEN	ICYI	PIPEN	IONE			
SIZE (ACRES)	: 1.21		•	·					
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope				
SECTION:	18	4.4	12.8	7.6	2.5:1				
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAS PERMITS / API	NCY: life o	f operatio	on	DISCHARGE	scD	NONE			
VEGETATION:	x_VOID GRASS	SPARSE WETLANI	DENS		RUBS1	TREES			
LOCATION									
COUNTY: AA			N		RID COORDINA	ATES			
BASIN CODE:	02131105				ST: 860				
RIVER/STREAM	: Dorsey Ru	n							
		REN	MARKS						
Dense vegeta	tion on out	side bank	void on in	nside slope	e and crest				

•

Pond Inventory Sheet

TYPICAL SECTION: Top Width Depth (feet) (feet) (feet) Slope :1 PROXIMITY TO STREAMS: 600 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: low PERMITS / APPROVALS: APPROPRIATION DISCHARGE SCD NON			IDE	NTIFICATION	ON		
POND IS:	COMPANY: LAU	REL SAND ANI	GRAVEL		NO. OF PO	ONDS ON SITE	E: 6
POND IS:	SITE NUMBER:	AA3-84-SP-	0180		NUMBER: 3	,	
POND TYPE:DUGOUTx_EMBANKMENT SPILLWAY TYPE: _x_BARREL W/RISEREMERGENCYPIPENONE SIZE (ACRES): 1.56 TYPICALTOP WidthDepthHeightFreeboardDownstream(feet)(feet)			DESCR	IPTION OF	POND		
SPILLWAY TYPE: x BARREL W/RISEREMERGENCYPIPENONE SIZE (ACRES): 1.56 Typical	POND IS:	x_ACTIVE		INACTIV	Æ		•
TYPICAL SECTION: Top Width Depth Height Freeboard Downstream (feet) (feet) (feet) :1 PROXIMITY TO STREAMS: 600 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: low PERMITS / APPROVALS: _x_APPROPRIATIONDISCHARGESCDNOW VEGETATION: _VOIDSPARSE _x_DENSE	POND TYPE:	DUGOUT		x EMBANKM	IENT		
TYPICAL (feet) (feet) (feet) Slope SECTION: PROXIMITY TO STREAMS: 600 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: low PERMITS / APPROVALS: _x_APPROPRIATIONDISCHARGESCDNON VEGETATION:VOIDSPARSE _x_DENSE	SPILLWAY TYPI	E: <u>x</u> BARREL	W/RISER	EMERGEN	ICYF	PIPE	ONE
TYPICAL (feet) (feet) (feet) Slope SECTION: PROXIMITY TO STREAMS: 600 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: low PERMITS / APPROVALS: _x_APPROPRIATIONDISCHARGESCDNON VEGETATION:VOIDSPARSE _x_DENSE	SIZE (ACRES):	: 1.56					
PROXIMITY TO STREAMS: 600 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: low PERMITS / APPROVALS: _x_APPROPRIATIONDISCHARGESCDNON VEGETATION:VOIDSPARSE _x_DENSE						1	
POTENTIAL HAZARDS: low PERMITS / APPROVALS: _x_APPROPRIATIONDISCHARGESCDNON VEGETATION:VOIDSPARSE _x_DENSE	SECTION:					:1	
	LIFE EXPECTANT POTENTIAL HAS PERMITS / API	NCY: life o ZARDS: low PROVALS:VOID	f operation x_APPROPRI SPARSE	on LATION _x_DENS	SE	•	NONE
LOCATION			LOC	ATION			
COUNTY: AA MARYLAND GRID COORDINATES NORTH: 470 BASIN CODE: 02131105 EAST: 860 RIVER/STREAM: Dorsey Run	BASIN CODE: (n	Ŋ	NOF	RTH: 470	ATES
REMARKS			REN	MARKS			

Make up water pond, recieves discharge from pond 2, water pumped in from appropriation ponds to maintain water level for use in plant

Pond Inventory Sheet

IDENTIFICATION								
COMPANY: LAUR	REL SAND ANI	GRAVEL		NO. OF PO	NDS ON SITE	: 6		
SITE NUMBER:	AA3-84-SP-	0180		NUMBER: 4				
		DESCR	IPTION OF	POND				
POND IS:	_x_ACTIVE		INACTIV	Æ				
POND TYPE:	<u>x</u> DUGOUT		EMBANKM	IENT				
SPILLWAY TYPE	:BARREL	W/RISER	EMERGEN	ICY <u>x</u> F	PIPEN	IONE		
SIZE (ACRES):	5.83	•						
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope			
					:1			
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAZ PERMITS / APP VEGETATION: _	NCY: life on the control of the cont	f operation x_APPROPRI x_SPARSE	ON ATION DENS	_		NONE		
LOCATION								
COUNTY: AA BASIN CODE: 0			ŀ	МОІ	RID COORDINA RTH: 470 ST : 860	ATES		
RIVER/STREAM:	: Dorsey Ru	 	/ARKS					
		אבו <i>ו</i>	CANNIN					

Material leaving upper end of pond running through cattails around perimeter of structure to disturbed area on site.

Pond Inventory Sheet

IDENTIFICATION								
COMPANY: LAU	REL SAND ANI	GRAVEL		NO. OF PO	ONDS ON SITE	: 6		
SITE NUMBER:	AA3-84-SP-	0180		NUMBER: 5				
		DESCR	IPTION OF	POND				
POND IS:	x_ACTIVE		INACTIV	/E		,		
POND TYPE:	DUGOUT		<u>x</u> EMBANKM	IENT				
SPILLWAY TYP	E:BARREL	W/RISER	EMERGEN	ICY <u>x</u> F	PIPEN	IONE		
SIZE (ACRES)	8.18							
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope			
SECTION:	16	·		0.7	1.5:1			
PROXIMITY TO LIFE EXPECTAL POTENTIAL HAS	NCY: life o	f operation	on.					
PERMITS / API	void	x SPARSE	DENS			NONE		
LOCATION								
COUNTY: AA BASIN CODE:	02131105		Ŋ	NOI	RID COORDINA RTH: 470 ST : 860	ATES		
RIVER/STREAM	•	n						
		REN	MARKS			=======================================		
						-		

Potential hazards will vary dependent on amount of spoil in pond. Chance of overtoppping dike which is uncompacted material. Depth and height can not be computed-tail water created by pond 4.

Pond Inventory Sheet

IDENTIFICATION								
COMPANY: LAUI	REL SAND ANI	GRAVEL		NO. OF PO	NDS ON SITE	: 6		
SITE NUMBER:	SITE NUMBER: AA3-84-SP-0180 NUMBER: 6							
		DESCR	IPTION OF	POND				
POND IS:	POND IS: X ACTIVE INACTIVE							
POND TYPE:	DUGOUT		_x_EMBANKM	IENT				
SPILLWAY TYPE	E:BARREL	W/RISER	EMERGEN	ICY <u>x</u> F	PIPEN	ONE		
SIZE (ACRES):	8.13							
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope			
SECTION:	15	5.4	10.5	5.3	3.5:1			
PROXIMITY TO STREAMS: 60000 FEET LIFE EXPECTANCY: see remarks POTENTIAL HAZARDS: intermediate PERMITS / APPROVALS: _x_APPROPRIATIONDISCHARGESCDNONE								
VEGETATION: x VOID SPARSE DENSE GRASS WETLANDS VEGETATION SHRUBS TREES								
LOCATION								
COUNTY: AA			ı		RID COORDINA RTH: 470	ATES		
BASIN CODE: 0	02131105			EAS	ST : 860			
RIVER/STREAM:	: Patuxent							
		REN	//ARKS			=======================================		

Dredge spoil pond, once full may be left to dry out. Connected by pipe to mudcat dredging lower pond.

IDENTIFICATION							
COMPANY: GENS	TAR -DAVIDS	ONVILLE		NO. OF PO	NDS ON SITE	: 6	
SITE NUMBER:	AA4-77-SP-	0035		NUMBER: 1	-		
		DESCR	IPTION OF	POND			
POND IS:	_x_ACTIVE	,	INACTIV	Æ			
POND TYPE:	DUGOUT		x_EMBANKM	IENT			
SPILLWAY TYPE	:BARREL	W/RISER	EMERGEN	ICY <u>x</u> F	PIPEN	IONE	
SIZE (ACRES):	23.50						
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope		
SECTION:	27	24.5	25.9	1.5	1.5:1		
PROXIMITY TO STREAMS: 1000 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: low PERMITS / APPROVALS:APPROPRIATIONDISCHARGESCD _x_NONE VEGETATION:VOIDx_SPARSEDENSEDENSEX_GRASSWETLANDS VEGETATIONSHRUBS _x_TREES							
LOCATION							
COUNTY: AA BASIN CODE: 0	02131104		ì	NOF	RID COORDINA RTH: 401 ST : 891	ATES	
RIVER/STREAM:	Patuxent						
		REN	MARKS				

IDENTIFICATION							
COMPANY: GENS	STAR -DAVIDS	ONVILLE		NO. OF PO	ONDS ON SITE	: 6	
SITE NUMBER:	AA4-77-SP-	0035		NUMBER: 2	:		
		DESCR	IPTION OF	POND			
POND .IS:	_x_ACTIVE		INACTIV	Æ	,		
POND TYPE:	_x_DUGOUT		EMBANKM	IENT			
SPILLWAY TYPE	E:BARREL	W/RISER	EMERGEN	ICY <u>x</u> I	PIPEN	IONE	
SIZE (ACRES):	: 4.30						
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope		
SECTION:					:1		
PROXIMITY TO STREAMS: 800 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: none PERMITS / APPROVALS:APPROPRIATIONDISCHARGESCD _x NONE VEGETATION:VOIDSPARSE _x DENSEx GRASSWETLANDS VEGETATIONSHRUBSTREES LOCATION COUNTY: AA MARYLAND GRID COORDINATES							
BASIN CODE:	02131104		• •	NOI	RTH: 401 ST : 891		
RIVER/STREAM	: Patuxent						
		REN	MARKS				

IDENTIFICATION								
COMPANY: GEN	STAR -DAVIDS	ONVILLE		NO. OF PO	ONDS ON SITE	E: 6		
SITE NUMBER:	AA4-77-SP-	0035		NUMBER: 3				
		DESCR	IPTION OF	POND				
POND IS:	_x_ACTIVE		INACTIV	/E				
POND TYPE:	DUGOUT		x EMBANK	MENT				
SPILLWAY TYP	E:BARREL	W/RISER	EMERGEN	ICY <u>x</u> F	PIPEN	ONE		
SIZE (ACRES)	: 3.70							
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope			
SECTION:	15	4.8	5.2	2.3	3.0:1			
PROXIMITY TO	NCY: life o			•				
PERMITS / AP		A DDD∩DD3	ና እጥተ (N	DISCHADGE	e sch	∨ N∩NF		
VEGETATION:		x SPARSE	DENS	SE	RUBS <u>x</u> 1			
		LOC	ATION					
COUNTY: AA BASIN CODE:	02131104		ŀ	NOF	RID COORDINA RTH: 401 ST : 891	ATES		
RIVER/STREAM	: Patuxent	River						
		REN	MARKS					

		IDEI	NTIFICATIO	ON		
COMPANY: GENS	COMPANY: GENSTAR - DAVIDSONVILLE NO. OF PONDS ON SITE: 6					
SITE NUMBER:	AA4-77-SP-	0035		NUMBER: 4		
		DESCR	IPTION OF	POND		
POND IS:	<u>x</u> ACTIVE		INACTIV	Æ		
POND TYPE:	DUGOUT		<u>x</u> EMBANK	IENT [.]		
SPILLWAY TYPE	:BARREL	W/RISER	EMERGEN	ICY <u>x</u> F	PIPEN	IONE
SIZE (ACRES):	1.67		,			
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope	,
SECTION:	15	4.8	5.2	2.3	3.0:1	{
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAZ PERMITS / APP VEGETATION:	NCY: life o	f operationAPPROPRISPARSEWETLANI	on IATION	 5E	Escd	_x_none
COUNTY: AA			1		RID COORDINA	ATES
BASIN CODE: (02131104				ST: 891	
RIVER/STREAM:	: Patuxent	River				
		REN	MARKS			

IDENTIFICATION							
COMPANY: GENS	TAR -DAVIDS	ONVILLE		NO. OF PO	NDS ON SITE	E: 6	
SITE NUMBER:	AA4-77-SP-0	0035		NUMBER: 5	į		
		DESCR	IPTION OF	POND			
POND IS:	_x_ACTIVE		INACTIV	Æ			
POND TYPE:	x DUGOUT		EMBANKM	IENT			
SPILLWAY TYPE	: <u>x</u> BARREL	W/RISER	EMERGEN	ICYF	PIPE	NONE	
SIZE (ACRES):	0.95						
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope		
SECTION:					:1		
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAZ PERMITS / API VEGETATION:	ARDS: none PROVALS:	APPROPRI SPARSE	on		 ,	_x_none Trees	
		LOC	ATION				
COUNTY: AA			h		RID COORDINA	ATES	
BASIN CODE: (2131104				ST: 891		
RIVER/STREAM:	Patuxent	River					
		REN	MARKS				

IDENTIFICATION							
COMPANY: GENS	TAR -DAVIDS	ONVILLE		NO. OF PO	NDS ON SITE	: 6	
SITE NUMBER:	AA4-77-SP-	003.5		NUMBER: 6		·	
· versa (spila salas, diktalise Para) (spilalise error distal see or		DESCR	IPTION OF	POND			
POND IS:	<u>x</u> ACTIVE		INACTIV	Æ			
POND TYPE:	DUGOUT		_x_EMBANKM	ENT			
SPILLWAY TYPE	BARREL	W/RISER	EMERGEN	ICYP	PIPE <u>x</u> N	ONE	
SIZE (ACRES):	2, 04			٠.	Ļ		
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope		
SECTION:	15	4.8	5.2	2.3	3.0:1		
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAZ PERMITS / APP	GY: life o	f operation APPROPRI SPARSE	on TATION	SE	SSCD	_x_none	
A CONTRACTOR OF THE PARTY OF TH		LOC	ATION		A Management of the Control of the C	No. More	
COUNTY: AA			Ŋ		RID COORDINA	TES	
BASIN CODE: 0	NORTH: 401 BASIN CODE: 02131104 EAST: 891						
RIVER/STREAM:	Patuxent	River					
The property of species and the second secon	a to a	REN	MARKS				

		IDEI	NTIFICATIO	N		
COMPANY: CUNI	NINGHAM SAN	D AND GRAV	VEL .	NO. OF PO	NDS ON SITE	3: 3
SITE NUMBER:	AA5-78-SP-0	0087		NUMBER: 1		
		DESCR	IPTION OF	POND		
POND IS:	_x_ACTIVE		INACTIV	'E		•
POND TYPE:	<u>x</u> DUGOUT		EMBANKM	IENT		
SPILLWAY TYPE	:BARREL	W/RISER	EMERGEN	ICY <u>x</u> F	PIPEN	IONE
SIZE (ACRES):	1.48					
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope	
SECTION.					:1	
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAZ PERMITS / API	ICY: life on	f operatio	on	<u>c</u> DISCHARGE	zscd	NONE
VEGETATION: _	x_VOID GRASS	SPARSE WETLANI	DENS		RUBS	TREES
		LOC	ATION			
COUNTY: AA BASIN CODE: (NOF	RID COORDINA RTH: 440 ST : 890	ATES
RIVER/STREAM:	Pacuxenc		MARKS			
	· .	IVEN				
Closed system	n appears to	o be no di	ischarge .			

Pond Inventory Sheet

		IDE	NTIFICATIO	ON		
COMPANY: C	UNNINGHAM SAN	ND AND GRAV	VEL	NO. OF PO	ONDS ON SITE	E: 3
SITE NUMBE	R: AA5-78-SP-	0087		NUMBER: 2	:	
		DESCR	IPTION OF	POND		
POND IS:	_x_ACTIVE	,	INACTIV	Æ .		
POND TYPE:	<u>x</u> DUGOUT		EMBANKM	IENT		
SPILLWAY T	YPE:BARREL	W/RISER	EMERGEN	ICY <u>x</u> F	PIPE!	NONE
SIZE (ACRE	s): 0.84					
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope	
SECTION:					:1	
LIFE EXPECTION POTENTIAL PERMITS /	TO STREAMS: TANCY: life of HAZARDS: low APPROVALS: L GRASS	of operation x APPROPRI	on IATION <u>.</u>	SE		NONE
		LOC	CATION			
	E: 01131105		1	иои	RID COORDIN RTH: 440 ST : 890	ATES
RIVER/STRE	EAM: Patuxent		AARKS			
		REN	MARKS			

Closed system, appears to be no discharge.

	-		NTIFICATION			
COMPANY: CUN	NINGHAM SAN	ND AND GRA	VEL	NO. OF PO	ONDS ON SITE	: 3
SITE NUMBER:	AA5-78-SP-	0087		NUMBER: 3	3	
		DESCR	IPTION OF	POND		
POND IS:	<u>x</u> ACTIVE		INACTIV	7E		
POND TYPE:	_x_DUGOUT		EMBANK	IENT		
SPILLWAY TYP	E:BARREL	W/RISER	EMERGEN	ICY <u>x</u> I	PIPEN	ONE
SIZE (ACRES)	: 0.85					
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope	
SECTION:					:1	
PROXIMITY TO LIFE EXPECTAL POTENTIAL HAS PERMITS / AP VEGETATION:	NCY: life ozards: low	f operation x_APPROPRI SPARSEWETLANI	ON IATION DENS OS VEGETATI	SE		NONE
		LOC	CATION			
COUNTY: AA			ı		RID COORDINA	ATES
BASIN CODE:	01131105				ST : 890	
RIVER/STREAM	: Patuxent					
		REN	MARKS			
Closed system	m appears	to be no o	discharge			

IDENTIFICATION
COMPANY: CAMPBELLS SAND AND GRAVEL NO. OF PONDS ON SITE: 2
SITE NUMBER: AA6-80-SP-0838 NUMBER: 1
DESCRIPTION OF POND
POND IS: <u>x</u> ACTIVEINACTIVE
POND TYPE: x_DUGOUTEMBANKMENT
SPILLWAY TYPE:BARREL W/RISEREMERGENCY _x_PIPENONE
SIZE (ACRES): 1.74
Top Width Depth Height Freeboard Downstream (feet) (feet) (feet) Slope
SECTION:
PROXIMITY TO STREAMS: 7000 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: none PERMITS / APPROVALS: _x APPROPRIATIONDISCHARGE _x SCDNONE VEGETATION:VOIDSPARSE _x DENSEX GRASSWETLANDS VEGETATIONSHRUBSTREES
LOCATION
COUNTY: AA MARYLAND GRID COORDINATES NORTH: 434 BASIN CODE: 02131105 EAST: 877
RIVER/STREAM: Little Patuxent River
REMARKS

		IDEI	NTIFICATION	ON		
COMPANY: CAM	PBELLS SAND	AND GRAVE	L	NO. OF PO	ONDS ON SITE	: 2
SITE NUMBER:	AA6-80-SP-	0838		NUMBER: 2	.	
		DESCR	IPTION OF	POND		
POND IS:	<u>x</u> ACTIVE		INACTIV	Æ		
POND TYPE:	<u>x</u> DUGOUT		EMBANKM	MENT		
SPILLWAY TYP	E:BARREL	W/RISER	EMERGEN	ICY <u>x</u> F	PIPEN	ONE
SIZE (ACRES)	: 1.93					
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope	
SECTION:					:1	
PROXIMITY TO	STREAMS:	7000 FEE	e T			
LIFE EXPECTA	NCY: life o	f operation	on	•		
POTENTIAL HAS	ZARDS: none					
PERMITS / AP	PROVALS: _	x_APPROPRI	LATION	DISCHARGE	X_SCD	NONE
VEGETATION:	VOID _x_GRASS	SPARSE WETLAND	<u>x</u> DENS OS VEGETATI		RUBST	REES
		LOC	ATION			
COUNTY: AA		,	h		RID COORDINA	TES
BASIN CODE:	02131105				ST: 877	
RIVER/STREAM	: Little Pa	tuxent Riv	/er			
		REM	IARKS			

IDENTIFICATION							
COMPANY: REDS	DOVE INC.			NO. OF PO	NDS ON SITE	: 4	
SITE NUMBER:	AA7-77-SP-0	0073		NUMBER: 1			
		DESCR	IPTION OF	POND			
POND IS:	x_ACTIVE		INACTIV	E		•	
POND TYPE:	_x_DUGOUT	·	EMBANKM	ENT			
SPILLWAY TYPE	: <u>x</u> BARREL	W/RISER	EMERGEN	ICYF	PIPEN	IONE	
SIZE (ACRES):	0.43						
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope		
SECTION:					:1		
_	ICY: life o	f operation x_APPROPRI SPARSE WETLANI	EATION _2 EX_DENS EX_DENS CATION	SE IONSHE	RUBS	NONE FREES	
BASIN CODE: (02131102		•	NOI	RTH: 393 ST : 893		
RIVER/STREAM	: Patuxent	River					
		REN	MARKS				

	IDENTIFICATION							
COMPANY: REDS	DOVE INC.	-		NO. OF PO	NDS ON SITE	: 4		
SITE NUMBER:	AA7-77-SP-0	0073		NUMBER: 2		·		
		DESCR	IPTION OF	POND				
POND IS:	POND IS:X_ACTIVEINACTIVE							
POND TYPE:	_x_DUGOUT		EMBANKM	IENT				
SPILLWAY TYPE	E: <u>x</u> BARREL	W/RISER	EMERGEN	ICYF	PIPEN	ONE		
SIZE (ACRES):	0.85							
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope	·		
					:1			
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAZ PERMITS / APR VEGETATION:	NCY: life of ZARDS: none	f operation APPROPRI SPARSE	on	SE .		NONE		
		LOC	ATION					
COUNTY: AA BASIN CODE: C	NORTH: 393 BASIN CODE: 02131102 EAST: 893							
	- Lucunomo I		MARKS					

Pond Inventory Sheet

		IDEI	NTIFICATION	ON		
COMPANY: REDS	S DOVE INC.			NO. OF PO	ONDS ON SITE	: 4
SITE NUMBER:	AA7-77-SP-	0073		NUMBER: 3		
		DESCR	IPTION OF	POND		,
POND IS:	_x_ACTIVE		INACTIV	⁄Е		
POND TYPE:	x_DUGOUT		EMBANKM	IENT		
SPILLWAY TYP	E:BARREL	W/RISER	EMERGEN	ICYF	PIPEN	ONE
SIZE (ACRES)	0.40					
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope	
SECTION:					:1	
PROXIMITY TO LIFE EXPECTANT POTENTIAL HAS PERMITS / APP VEGETATION:	NCY: 2-3 mo ZARDS: none PROVALS: _	nths <u>x_</u> APPROPRI _ <u>x_</u> SPARSE	<u>K</u> NOITAI	SE		NONE
		LOC	ATION			
COUNTY: AA BASIN CODE: (RIVER/STREAM		Pivor	h	NOF	RID COORDINA RTH: 393 ST : 893	ATES
EVERY STREAM	· racavenc		MARKS			
:						

This pond is being phased out, and replaced by pond 4.

IDENTIFICATION								
COMPANY: RED	S DOVE INC.			NO. OF PO	ONDS ON SITE	2: 4		
SITE NUMBER:	AA7-77-SP-	0073		NUMBER: 4	· ·	•		
		DESCR	IPTION OF	POND				
POND IS:	<u>x</u> ACTIVE		INACTIV	7E	•	;		
POND TYPE:	_x_DUGOUT		EMBANK	ENT				
SPILLWAY TYP	E:BARREL	W/RISER	EMERGEN	ICYF	PIPE <u>x</u> N	IONE		
SIZE (ACRES)	: 1.38							
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope			
SECTION:					:1			
PROXIMITY TO LIFE EXPECTAL POTENTIAL HAS PERMITS / APP VEGETATION:	NCY: life o ZARDS: low PROVALS: _	f operation x_APPROPRI SPARSEWETLAND	on ATION <u>></u>	SE		NONE		
COUNTY: AA				ANDVI AND CE	RID COORDINA	TEC		
BASIN CODE: (02131102		r	NOF	RTH: 393 ST : 893	1 II U		
RIVER/STREAM		River		LAC				
			MARKS					

IDENTIFICATION								
COMPANY: GENS	STAR-WHITE M	IARSH		NO. OF PO	NDS ON SITE	: 11		
SITE NUMBER:	BA1-77-SP-0	0064	NUMBER: 1					
	DESCRIPTION OF POND							
POND IS:	_x_ACTIVE		INACTIV	, 7 E		.*		
POND TYPE:	POND TYPE: x DUGOUT EMBANKMENT							
SPILLWAY TYPI	E:BARREL	W/RISER	EMERGEN	ICYF	PIPE <u>x</u> N	ONE		
SIZE (ACRES):	. 0.11	•						
			T	<u> </u>	<u> </u>	1		
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	(feet)	Downstream Slope			
SECTION:					:1			
	<u></u>				<u> </u>	1		
PROXIMITY TO	STREAMS:	3200 FE	ET					
LIFE EXPECTA	NCY: life o	f operation	on					
POTENTIAL HAZ	ZARDS: low							
PERMITS / API	PROVALS:	<u>k_</u> APPROPRI	[ATION _2	_DISCHARGE	scD	NONE		
VEGETATION: VOID x SPARSE DENSE x GRASS WETLANDS VEGETATION SHRUBS x TREES								
LOCATION								
COUNTY: BA			1		RID COORDINA	ATES		
NORTH: 563 BASIN CODE: 02130803 EAST: 951								
RIVER/STREAM	: White Mar	sh Run						
		REN	MARKS					

IDENTIFICATION								
COMPANY: GENS	STAR-WHITE N	MARSH		NO. OF PO	NDS ON SITE	: 11		
SITE NUMBER:	BA1-77-SP-	0064		NUMBER: 2		•		
		DESCR	IPTION OF	POND		·		
POND IS:	<u>x</u> ACTIVE		INACTIV	Έ		:		
POND TYPE:	_x_DUGOUT		EMBANKM	IENT				
SPILLWAY TYPE	E:BARREL	W/RISER	EMERGEN	ICYF	PIPE <u>x</u> N	IONE		
SIZE (ACRES):	0.12				•			
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope			
SECTION:	·				:1			
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAZ PERMITS / API VEGETATION:	NCY: life o ZARDS: none PROVALS:VOID	f operation x_APPROPRI	on IATION <u>></u>	SE		NONE		
		LOC	CATION		::::::::::::::::::::::::::::::::::::::			
COUNTY: BA MARYLAND GRID COORDINATES NORTH: 563 BASIN CODE: 02130803 EAST: 951								
RIVER/STREAM:	: White Mar		AA DIZC	· ·				
		KEN	MARKS					

	IDENTIFICATION								
COMPANY: GEN	COMPANY: GENSTAR-WHITE MARSH NO. OF PONDS ON SITE: 11								
SITE NUMBER:	BA1-77-SP-	0064		NUMBER: 3	;				
		DESCR	IPTION OF	POND					
POND IS:	_x_ACTIVE		INACTIV	'E					
POND TYPE:	<u>x</u> DUGOUT		EMBANKM	ENT					
SPILLWAY TYP	E:BARREL	W/RISER	EMERGEN	ICYF	PIPE <u>x</u> N	ONE			
SIZE (ACRES)	: 0.17								
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope				
SECTION:	·				:1				
PROXIMITY TO LIFE EXPECTA POTENTIAL HA PERMITS / AP	NCY: life o	f operation	מכ	<u>c</u> DISCHARGE	Escd	none			
VEGETATION: VOID SPARSE _x_DENSE GRASS _x_WETLANDS_VEGETATION SHRUBS TREES									
LOCATION									
COUNTY: BA MARYLAND GRID COORDINATES NORTH: 563 BASIN CODE: 02130803 EAST: 951									
RIVER/STREAM	: White Mar								
		REN	MARKS						

IDENTIFICATION								
COMPANY: GENSTAR-WHITE MARSH NO. OF PONDS ON SITE: 11								
SITE NUMBER: BA1-77-SP-0064 NUMBER: 4								
DESCRIPTION OF POND								
POND IS:x_ACTIVEINACTIVE								
POND TYPE: x_DUGOUTEMBANKMENT								
SPILLWAY TYPE: BARREL W/RISER EMERGENCY PIPE x NONE								
SIZE (ACRES): 0.17								
Top Width Depth Height Freeboard Downstream (feet) (feet) (feet) Slope								
SECTION:								
PROXIMITY TO STREAMS: 200 FEET LIFE EXPECTANCY: life of operation								
POTENTIAL HAZARDS: none								
PERMITS / APPROVALS: x APPROPRIATION x DISCHARGE SCD NONE								
VEGETATION: VOID SPARSE X DENSE GRASS X WETLANDS VEGETATION SHRUBS TREES								
LOCATION								
COUNTY: BA MARYLAND GRID COORDINATES NORTH: 563								
BASIN CODE: 02130803 EAST: 951								
RIVER/STREAM: White Marsh Run								
REMARKS								

IDENTIFICATION								
COMPANY: GENS	STAR-WHITE N	MARSH		NO. OF PO	NDS ON SITE	: 11		
SITE NUMBER:	BA1-77-SP-	0064	NUMBER: 5					
		DESCR	IPTION OF	POND				
POND IS:	OND IS: <u>x</u> ACTIVEINACTIVE							
POND TYPE:	_x_DUGOUT		EMBANKM	IENT				
SPILLWAY TYPE	:BARREL	W/RISER	EMERGEN	ICYF	PIPE x N	IONE		
SIZE (ACRES):	0.48							
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope			
SECTION:					:1			
PROXIMITY TO STREAMS: 1600 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: none PERMITS / APPROVALS:x APPROPRIATIONx DISCHARGESCDNONE VEGETATION:VOIDSPARSEx DENSEGRASSx WETLANDS VEGETATIONSHRUBSTREES								
LOCATION								
COUNTY: BA BASIN CODE: 0	COUNTY: BA MARYLAND GRID COORDINATES NORTH: 563 BASIN CODE: 02130803 EAST: 951							
RIVER/STREAM:	White Mar							
		REN	/ARKS					

Pond Inventory Sheet

POND TYPE:DUGOUTx_EMBANKMENT SPILLWAY TYPE:BARREL W/RISEREMERGENCYPIPEx_NONE SIZE (ACRES): 8.00 TYPICAL SECTION: TOP Width	IDENTIFICATION								
DESCRIPTION OF POND POND IS:ACTIVE	COMPANY: GENS	STAR-WHITE N	MARSH		NO. OF PO	NDS ON SITE	: 11		
POND IS:ACTIVEX_INACTIVE POND TYPE:DUGOUTX_EMBANKMENT SPILLWAY TYPE:BARREL W/RISEREMERGENCYPIPEX_NONE SIZE (ACRES): 8.00 TYPICAL SECTION: Top Width Depth Height Freeboard Downstream (feet) (feet) (feet) Slope 34	SITE NUMBER:	BA1-77-SP-	0064		NUMBER: 6				
POND TYPE:DUGOUTX_EMBANKMENT SPILLWAY TYPE:BARREL W/RISEREMERGENCYPIPEX_NONE SIZE (ACRES): 8.00 TYPICAL			DESCR	IPTION OF	POND				
SPILLWAY TYPE:BARREL W/RISEREMERGENCYPIPEX_NONE SIZE (ACRES): 8.00 TYPICAL SECTION: Top Width Depth (feet) (feet) (feet) (feet) Slope 34	POND IS:	ACTIVE		<u>x</u> INACTIV	7E				
TYPICAL (feet) (feet) (feet) (feet) Slope SECTION: TOP Width Depth Height (feet) Slope 34 8.6 10.5 1.9 1.5:1 PROXIMITY TO STREAMS: 1800 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: none PERMITS / APPROVALS: _x APPROPRIATION _x DISCHARGESCDNONE VEGETATION:VOIDSPARSE _x DENSESRUBSTREES LOCATION COUNTY: BA	POND TYPE:	DUGOUT		<u>x</u> EMBANKM	ENT				
TYPICAL SECTION: Top Width (feet) (feet) (feet) (feet) Slope 34 8.6 10.5 1.9 1.5:1 PROXIMITY TO STREAMS: 1800 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: none PERMITS / APPROVALS: _x_APPROPRIATION _x_DISCHARGESCDNONE VEGETATION:VOIDSPARSE _x_DENSESRASS _x_WETLANDS VEGETATION _SHRUBSTREES LOCATION COUNTY: BA	SPILLWAY TYPE	:BARREL	W/RISER	EMERGEN	ICYF	PIPE <u>x</u> N	IONE		
TYPICAL (feet) (feet) (feet) (feet) Slope 34 8.6 10.5 1.9 1.5:1 PROXIMITY TO STREAMS: 1800 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: none PERMITS / APPROVALS: APPROPRIATION X_DISCHARGE SCD NONE VEGETATION: VOID SPARSE X_DENSE X_DENSE X_WETLANDS VEGETATION SHRUBS TREES LOCATION COUNTY: BA	SIZE (ACRES):	8.00							
PROXIMITY TO STREAMS: 1800 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: none PERMITS / APPROVALS: _x_APPROPRIATION _x_DISCHARGESCDNONE VEGETATION:VOIDSPARSE _x_DENSEX_BENUBSTREES LOCATION COUNTY: BA	TYPICAL SECTION:								
LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: none PERMITS / APPROVALS: _x APPROPRIATION _x DISCHARGESCDNONE VEGETATION:VOIDSPARSE _x DENSEX DENSETREES LOCATION COUNTY: BA MARYLAND GRID COORDINATES NORTH: 563 BASIN CODE: 02130803 EAST: 951		34	8.6	10.5	1.9	1.5:1			
COUNTY: BA MARYLAND GRID COORDINATES NORTH: 563 BASIN CODE: 02130803 EAST: 951	LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: none PERMITS / APPROVALS: x APPROPRIATION x DISCHARGE SCD NONE VEGETATION:VOIDSPARSE x DENSE								
NORTH: 563 BASIN CODE: 02130803 EAST: 951	LOCATION								
RIVER/STREAM: White Marsh Run	NORTH: 563					ATES			
	RIVER/STREAM:	White Mar	sh Run						
REMARKS			REN	MARKS					

Pond is mostly inactive, covered with wetlands vegetation. A channel is maintained which is active to allow flow to next pond.

Pond Inventory Sheet

	IDENTIFICATION							
COMPANY: GENS	STAR-WHITE	MARSH		NO. OF PO	ONDS ON SITE	: 11		
SITE NUMBER:	BA1-77-SP-	0064		NUMBER: 7	,			
		DESCR	IPTION OF	POND				
POND IS:	ACTIVE		<u>x</u> INACTIV	Æ				
POND TYPE:	DUGOUT		<u>x</u> EMBANKM	IENT				
SPILLWAY TYPE	SPILLWAY TYPE:BARREL W/RISEREMERGENCYPIPE _x_NONE							
SIZE (ACRES):	6.45							
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope			
SECTION:	34	8.6	10.5	1.9	1.5:1			
PROXIMITY TO STREAMS: 500 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: none PERMITS / APPROVALS: APPROPRIATION DISCHARGE SCD NONE VEGETATION: VOID SPARSE DENSE DENSE TREES								
LOCATION								
COUNTY: BA MARYLAND GRID COORDINATES NORTH: 563 BASIN CODE: 02130803 EAST: 951					ATES			
RIVER/STREAM:	: White Mar	sh Run						
		REN	/ARKS					

Channel same as 6. This is the main dike which runs around closed system. All ponds are contained by this main dike.

Pond Inventory Sheet

IDENTIFICATION								
COMPANY: GENS	STAR-WHITE N	MARSH		NO. OF PO	NDS ON SITE	: 11		
SITE NUMBER:	BA1-77-SP-	0064		NUMBER: 8	; }			
		DESCR	IPTION OF	POND				
POND IS:	ACTIVE	•	_x_INACTIV	/E				
POND TYPE:	DUGOUT		_x_EMBANKM	MENT				
SPILLWAY TYPE	BARREL	W/RISER	EMERGEN	ICYF	PIPE <u>x</u> N	ONE		
SIZE (ACRES):	14.97							
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope			
SECTION:	34	8.6	10.5	1.9	1.5:1			
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAZ PERMITS / API VEGETATION:	ICY: life o ZARDS: none PROVALS: VOID	x_APPROPRI	on			none		
		LOC	CATION					
COUNTY: BA BASIN CODE: (RIVER/STREAM:		sh Run	1	NOF	RID COORDINA RTH: 563 ST : 951	ATES		
			MARKS					
								

Channel same as 6 and 7.

Pond Inventory Sheet

	IDENTIFICATION									
COMPANY: GENS	TAR-WHITE N	1ARSH		NO. OF PO	ONDS ON SITE	: 11				
SITE NUMBER:	BA1-77-SP-0	0064		NUMBER: 9	<u> </u>					
		DESCR	IPTION OF	POND						
POND IS:	_x_ACTIVE		x INACTIV	Æ						
POND TYPE:	DUGOUTx_EMBANKMENT									
SPILLWAY TYPE	:BARREL	W/RISER	EMERGEN	ICYF	PIPE <u>x</u> N	IONE				
SIZE (ACRES):	12.01									
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope					
SECTION.	18	6.3	6.9	0.6	1.3:1					
PROXIMITY TO		:	*			,				
POTENTIAL HAZ	ARDS: none									
PERMITS / APP	PROVALS: _	x_APPROPRI	[ATION _≥	_DISCHARGE	ESCD	NONE				
PERMITS / APPROVALS: X APPROPRIATION X DISCHARGE SCD NONE VEGETATION: VOID SPARSE X DENSE GRASS X WETLANDS VEGETATION SHRUBS TREES										
		FOC	ATION							
COUNTY: BA			1		RID COORDINA	ATES				
BASIN CODE: 0	2130803				ST: 951					
RIVER/STREAM:	White Mar	sh Run								
		REN	<i>M</i> ARKS							

7.2 acres are inactive, 4.81 acres are active.

IDENTIFICATION								
COMPANY: GENS	STAR-WHITE N	MARSH		NO. OF PO	ONDS ON SITE	: 11		
SITE NUMBER:	BA1-77-SP-	0064	NUMBER: 10					
		DESCR	IPTION OF	POND				
POND IS:	_x_ACTIVE	·	INACTIV	Æ				
POND TYPE:	_x_DUGOUT		EMBANK	IENT				
SPILLWAY TYPE	:BARREL	W/RISER	EMERGEN	ICYF	PIPE <u>x</u> N	ONE		
SIZE (ACRES):	0.94							
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope			
SECTION:					:1			
						•		
PROXIMITY TO	STREAMS:	50 FE	ET					
LIFE EXPECTAN	NCY: life o	f operation	on					
POTENTIAL HAZ	ARDS: none							
PERMITS / API	PROVALS: _	x_APPROPRI	ATION _	_DISCHARGE	scDscD	NONE		
VEGETATION: _		x SPARSE x WETLANI	DENS VEGETATI		RUBS1	rees		
LOCATION								
COUNTY: BA			N		RID COORDINA	TES		
BASIN CODE: 0	2130803				ST : 951			
RIVER/STREAM:	: White Mar	sh Run						
		REN	MARKS					

IDENTIFICATION									
COMPANY: GEN	STAR-WHITE N	MARSH		NO. OF PO	NDS ON SITE	: 11			
SITE NUMBER:	BA1-77-SP-	0064		NUMBER: 1	.1				
		DESCR	IPTION OF	POND					
POND IS:	<u>x</u> ACTIVE		INACTIV	E					
POND TYPE:	_x_DUGOUT		EMBANKM	ENT					
SPILLWAY TYP	E:BARREL	W/RISER	EMERGEN	ICYF	PIPE <u>x</u> N	ONE			
SIZE (ACRES)	: 4.67								
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope	I.			
SECTION:					:1				
PROXIMITY TO		1200 FER			,				
POTENTIAL HA	ZARDS: none	1							
PERMITS / AP	PROVALS: _	x_APPROPRI	TATION _2	<u>C</u> DISCHARGI	Escd	NONE			
VEGETATION:	VOID GRASS	x SPARSE x WETLANI	DENS VEGETAT	_	RUBS	TREES			
		LOC	ATION						
COUNTY: BA	+ #		1		RID COORDINA	ATES			
BASIN CODE:	02130803				ST : 951				
RIVER/STREAM	: White Mar	sh Run							
		REN	MARKS						

Pond Inventory Sheet

IDENTIFICATION								
COMPANY: GENS	STAR-CHASE			NO. OF PO	ONDS ON SITE	l: 1		
SITE NUMBER:	BA2-77-SP-	0056		NUMBER: 1	•			
DESCRIPTION OF POND								
POND IS:	_x_ACTIVE		INACTIV	/E				
POND TYPE:	<u>x</u> DUGOUT		EMBANK	MENT		•		
SPILLWAY TYPE	E:BARREL	W/RISER	EMERGEN	ICY <u>x</u> F	PIPEN	IONE		
SIZE (ACRES):	6.93							
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope			
SECTION:					:1			
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAZ PERMITS / API	NCY: life o	f operation	on	DISCHARGE	Escd	none		
VEGETATION: _		x SPARSE x WETLAND	DENS VEGETATI	SE IONSHF	RUBS1	PREES		
		roc	ATION					
COUNTY: BA	,		ŀ	NOF	RID COORDINA RTH: 556	ATES		
BASIN CODE: (_		EAS	ST : 974			
RIVER/STREAM:	BILG KIVE		MARKS			· · · · · · · · · · · · · · · · · · ·		
		1/6/1						

All discharge should be directed back into pit. Pond has blown out in the past due to inadequate discharge structure leading back into pit.

IDENTIFICATION									
COMPANY: YORK	K BUILDING P	RODUCTS-BE	ELVEDERE	NO. OF PO	ONDS ON SITE	8: 8			
SITE NUMBER:	CE1-77-SP-	0081		NUMBER: 1	L				
DESCRIPTION OF POND									
POND IS:	ACTIVE		_x_INACTIV	Æ					
POND TYPE:	POND TYPE: <u>x</u> DUGOUTEMBANKMENT								
SPILLWAY TYPE	:BARREL	W/RISER	EMERGEN	ICYF	PIPE <u>x</u> N	IONE			
SIZE (ACRES):	7.87								
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope				
SECTION:					:1				
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAZ PERMITS / APE	ICY: ZARDS: none			<u>c</u> DISCHARGE	Escd	none			
	VOID _x_GRASS		<u>x</u> DENS		RUBS1	PREES			
		LOC	ATION						
COUNTY: CE BASIN CODE: C)2130609		1	NOF	RID COORDINA RTH: 640 ST : 1070	ATES			
RIVER/STREAM:	Principio	Creek							
		REM	MARKS						

IDENTIFICATION									
COMPANY: YORK	BUILDING P	RODUCTS-BI	ELVEDERE	NO. OF PO	NDS ON SITE	2: 8			
SITE NUMBER:	CE1-77-SP-	0081		NUMBER: 2					
DESCRIPTION OF POND									
POND IS:	ACTIVE		_x_INACTIV	Æ					
POND TYPE:	<u>x</u> DUGOUT		EMBANKM	IENT					
SPILLWAY TYPE	:BARREL	W/RISER	EMERGEN	ICYF	PIPE <u>x</u> N	IONE			
SIZE (ACRES):	4.09	·							
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope				
SECTION:					:1				
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAZ	CY:	600 FEE	S T						
PERMITS / APP	ROVALS: _	x_APPROPRI	_ NOITA	_DISCHARGE	scD	NONE			
	VOID x_GRASS		<u>x</u> DENS	SE IONSHE	RUBS1	TREES			
		LOC	ATION						
COUNTY: CE			Ŋ		RID COORDINA	ATES			
BASIN CODE: 0	2130609		•		T: 1070				
RIVER/STREAM:	Principio	Creek							
		REN	MARKS						

IDENTIFICATION									
COMPANY: YOR	K BUILDING P	RODUCTS-BI	ELVEDERE	NO. OF PO	ONDS ON SITE	E: 8			
SITE NUMBER:	CE1-77-SP-	0081		NUMBER: 3	1				
		DESCR	IPTION OF	POND					
POND IS:	ACTIVE		_x_INACTIV	Æ					
POND TYPE:	<u>x</u> DUGOUT		EMBANKM	ENT					
SPILLWAY TYP	E:BARREL	W/RISER	EMERGEN	ICYI	PIPE <u>x</u>	ONE			
SIZE (ACRES)	: 4.55								
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope				
SECTION:					:1				
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAZ PERMITS / API VEGETATION:	NCY: ZARDS: none PROVALS: _	x_APPROPRI SPARSE WETLANI	ATION _2	SE		NONE			
COUNTY: CE BASIN CODE: (02130609	•		NOI	RID COORDINA RTH: 640 ST : 1070	ATES			
RIVER/STREAM	: Principio	Creek							
		REN	/ARKS						

IDENTIFICATION									
COMPANY: YOR	K BUILDING P	RODUCTS-BI	ELVEDERE	NO. OF PO	NDS ON SITE	2: 8			
SITE NUMBER:	CE1-77-SP-	0081		NUMBER: 4					
		DESCR	IPTION OF	POND					
POND IS:	ACTIVE		_x_INACTIV	7E					
POND TYPE:	<u>x</u> DUGOUT		EMBANK	ENT					
SPILLWAY TYPE	E:BARREL	W/RISER	EMERGEN	ICYF	PIPE <u>x</u> N	IONE			
SIZE (ACRES)	6.07								
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope				
SECTION:					:1				
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAZ PERMITS / API	NCY: ZARDS: none			<_DISCHARGE	ESCD	NONE			
VEGETATION: _	VOID _x_GRASS	SPARSE WETLAND	<u>x</u> DENS OS VEGETATI		RUBS1	TREES			
		LOC	ATION						
COUNTY: CE					RID COORDINA	ates			
BASIN CODE: 0	02130609				ST : 1070				
RIVER/STREAM	Principio								
·		REN	MARKS						

Pond Inventory Sheet

IDENTIFICATION									
COMPANY: YOR	K BUILDING PI	RODUCTS-BI	ELVEDERE	NO. OF PO	NDS ON SITE	: 8			
SITE NUMBER:	CE1-77-SP-0	0081		NUMBER: 5					
		DESCR	IPTION OF	POND	· · · · · · · · · · · · · · · · · · ·				
POND IS:	_x_ACTIVE		INACTIV	Æ					
POND TYPE:	DUGOUTx_EMBANKMENT								
SPILLWAY TYPI	E:BARREL	W/RISER	EMERGEN	ICYF	PIPE <u>x</u> N	ONE			
SIZE (ACRES)	: 24.00								
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope				
SECTION.	66	37.8	43.8	6.0	3.0:1				
PROXIMITY TO LIFE EXPECTANT POTENTIAL HAS PERMITS / AP VEGETATION:	NCY: 2-3 ye ZARDS: none PROVALS:	ars <u>x_</u> APPROPRI SPARSE WETLANI	IATION <u>2</u> <u>x</u> DENS DS VEGETATI	SE	•	NONE			
		LOC	ATION						
COUNTY: CE BASIN CODE:	02130609		1	NO	RID COORDINA RTH: 640 ST : 1070	ATES			
RIVER/STREAM	: Principio	Creek							
		REN	MARKS						
***************************************						· · · · · · · · · · · · · · · · · · ·			

Ponds are reclaimed after they reach capacity.

Pond Inventory Sheet

IDENTIFICATION									
COMPANY: YOR	K BUILDING P	RODUCTS-BI	ELVEDERE	NO. OF PO	ONDS ON SITE	: 8			
SITE NUMBER:	CE1-77-SP-	0081		NUMBER: 6					
			IPTION OF						
					resonium te oriente transportuni de la 1922				
POND IS:	<u>x</u> ACTIVE		INACTIV	Æ					
POND TYPE:	POND TYPE:DUGOUTx_EMBANKMENT								
SPILLWAY TYPE	E:BARREL	W/RISER	<u>x</u> _EMERGEN	ICYF	PIPEN	ONE			
SIZE (ACRES):	22.50								
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope				
SECTION:	20	24.9	29.8	4.8	3.0:1				
						•			
PROXIMITY TO	STREAMS:	1400 FE	ET						
LIFE EXPECTAN	NCY: 2-3 ye	ars							
POTENTIAL HAZ	ZARDS: none								
PERMITS / API	PROVALS: _	<u>x</u> APPROPRI	ATION _	<u>C</u> DISCHARGE	Escd	NONE			
VEGETATION: _	VOID _x_GRASS	SPARSE WETLANI	<u>x</u> DENS		RUBST	REES			
		LOC	ATION			·			
COUNTY: CE			Ŋ	MARYLAND GE	RID COORDINA	TES			
BASIN CODE: (02130609				RTH: 640. ST : 1070				
RIVER/STREAM	: Principio	Creek							
		REN	MARKS						
		- 1							

Ponds are reclaimed once they reach capacity.

Pond Inventory Sheet

IDENTIFICATION									
COMPAN	Y: YOR	K BUILDING PI	RODUCTS-BE	ELVEDERE	NO. OF PO	ONDS ON SITE	8: 8		
SITE N	UMBER:	CE1-77-SP-0	0081		NUMBER: 7	,			
			DESCR	IPTION OF	POND				
POND I	s:	_x_ACTIVE		INACTIV	Æ				
POND T	YPE:	x_DUGOUT	x DUGOUTEMBANKMENT						
SPILLW	AY TYP	E:BARREL	W/RISER	EMERGEN	ICYF	PIPE <u>x</u> N	IONE		
SIZE (ACRES)	: 12.80							
TYPICA SECTIO		Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope			
SECTION:		*. · · · · · · · · · · · · · · · · · · ·			:1				
LIFE E POTENT PERMIT	EXPECTAL PLANT HAN	STREAMS: NCY: 2-3 year ZARDS: none PROVALS: VOIDX_GRASS	ars x_APPROPRI SPARSE	(ATION			NONE		
			FOC	ATION					
COUNTY: CE MARYLAND GRID COORDINATES NORTH: 640 BASIN CODE: 02130609 EAST: 1070					ATES				
RIVER/	STREAM	: Principio							
			REN	//ARKS					

Ponds are reclaimed once they reach capacity.

Pond Inventory Sheet

IDENTIFICATION									
COMPANY: YORK	K BUILDING P	RODUCTS-BI	ELVEDERE	NO. OF PO	ONDS ON SITE	: 8			
SITE NUMBER:	CE1-77-SP-	0081		NUMBER: 8					
		DESCR	IPTION OF	POND					
POND IS:	_x_ACTIVE		INACTIV	Æ.					
POND TYPE:	POND TYPE:DUGOUTx_EMBANKMENT								
SPILLWAY TYPE	:BARREL	W/RISER	EMERGEN	ICYF	PIPE <u>x</u>	IONE			
SIZE (ACRES):	24.20								
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope				
SECTION:	20	42.0	57.0	7.0	4.0:1				
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAZ PERMITS / APE VEGETATION: _	ICY: 2-3 ye LARDS: none PROVALS: _	ars <u>x_</u> APPROPRI SPARSE		SE	-	none			
		LOC	ATION						
COUNTY: CE BASIN CODE: C	02130609		ŀ	NOF	RID COORDINA RTH: 640 ST : 1070	ATES			
RIVER/STREAM:	Principio				•				
	***************************************	REN	MARKS .						

Ponds are reclaimed once they reach capacity.

Pond Inventory Sheet

		IDE	NTIFICATION	ON		
COMPANY: STAI	NCILLS,INC.			NO. OF PO	ONDS ON SITE	: 2
SITE NUMBER:	CE2-77-SP-	0090		NUMBER: 1		
		DESCR	IPTION OF	POND		
POND IS:	<u>x</u> ACTIVE		INACTIV	7E		
POND TYPE:	_x_DUGOUT		EMBANK	ENT		
SPILLWAY TYP	E: <u>x</u> BARREL	W/RISER	EMERGEN	ICYF	PIPEN	ONE
SIZE (ACRES)	: 5.73					
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope	,
SECTION:					:1	
PROXIMITY TO LIFE EXPECTA POTENTIAL HA PERMITS / AP VEGETATION:	NCY: life o ZARDS: low PROVALS: _	f operation x APPROPRE SPARSE	on	SE	E <u>x</u> SCD RUBST	NONE
	<u> </u>	LOC	CATION			
COUNTY: CE			1		RID COORDINA	TES
BASIN CODE:	02130609				ST: 1074	
RIVER/STREAM	: Furnace B	ay-Princi	pio Creek			
		REP	<i>I</i> ARKS			

Hazards would go to none if vegetatively stabilized. Other ponds previously used are in the process of being reclaimed

Pond Inventory Sheet

	·	IDEI	NTIFICATION	ON		
COMPANY: STAN	CILLS,INC.			NO. OF PO	NDS ON SITE	2: 2
SITE NUMBER:	CE2-77-SP-0	0090		NUMBER: 2		
		DESCR	IPTION OF	POND		
POND IS:	_x_ACTIVE		INACTIV	Æ		
POND TYPE:	_x_DUGOUT		EMBANK	MENT		
SPILLWAY TYPE	:BARREL	W/RISER	EMERGEN	ICY <u>x</u> F	PIPEN	ONE
SIZE (ACRES):	6.80					
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope	
SECTION:					:1	
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAZ PERMITS / APP VEGETATION: _	CY: life of ARDS: low PROVALS:	f operation X_APPROPRI SPARSE	on LATION DENS	_	E <u>x</u> SCD	NONE
		LOC	ATION			
COUNTY: CE BASIN CODE: 0	2130609		P	NOF	RID COORDINA RTH: 633 ST : 1074	ATES
RIVER/STREAM:	Furnace B	ay-Princip	oio Creek			
		REN	MARKS			

Hazards would go to none if vegetatively stabilized.

		IDEI	NTIFICATION	ON				
COMPANY: CECI	L SAND AND	GRAVEL		NO. OF PO	NDS ON SITE	5		
SITE NUMBER:	SITE NUMBER: CE3-80-SP-0353 NUMBER: 1							
		DESCR	IPTION OF	POND				
POND IS:	_x_ACTIVE		INACTIV	Æ				
POND TYPE: x_DUGOUTEMBANKMENT								
SPILLWAY TYPE	E:BARREL	W/RISER	EMERGEN	ICY <u>x</u> F	PIPEN	IONE		
SIZE (ACRES):	1.38							
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope			
SECTION:					:1			
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAZ PERMITS / API VEGETATION:	NCY: life o ZARDS: none PROVALS:VOID	f operation x_APPROPRI x_SPARSE x_WETLAND	DENS VEGETATI	SE		none crees		
		FOC	ATION					
COUNTY: CE BASIN CODE: (2130609		M	NOF	RID COORDINA RTH: 649 ST : 1062	ATES		
RIVER/STREAM:	: Mill Cree	k						
		REN	MARKS					
								

		IDEI	NTIFICATIO	N		
COMPANY: CECIL	SAND AND (GRAVEL		NO. OF PO	ONDS ON SITE	E: 5
SITE NUMBER: C	E3-80-SP-	0353		NUMBER: 2		
		DESCR	IPTION OF	POND		
POND IS:	x_ACTIVE		INACTIV	/E		
POND TYPE:	x_DUGOUT		EMBANKM	ENT		
SPILLWAY TYPE:	BARREL	W/RISER	EMERGEN	ICY <u>x</u> F	PIPE	ONE
SIZE (ACRES):	1.49					
TYPICAL SECTION:	op Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope	
					:1	
PROXIMITY TO S	Y: life o	f operation	•			
POTENTIAL HAZA						
PERMITS / APPR	OVALS: _	<u>X_</u> APPROPRI	LATION	DISCHARGE	ESCD	NONE
VEGETATION:X	_VOID _GRASS	SPARSE WETLANI	<u>x</u> DENS S VEGETATI		RUBS	rees
		LOC	CATION			- , , , , , , , , , , , , , , , , , , ,
COUNTY: CE			M		RID COORDINA	ATES
BASIN CODE: 02	130609				ST: 1062	
RIVER/STREAM:	Mill Cree	k				
		REM	MARKS	·		

		IDE	NTIFICATIO	ON		
COMPANY: CECIL	SAND AND	GRAVEL		NO. OF PO	ONDS ON SITE	2: 5
SITE NUMBER: 0	CE3-80-SP-	0353		NUMBER: 3	I	
		DESCR	IPTION OF	POND		
POND IS:	_x_ACTIVE		INACTIV	Æ		
POND TYPE:	<u>x</u> DUGOUT		EMBANKM	IENT		
SPILLWAY TYPE	BARREL	W/RISER	EMERGEN	ICY <u>x</u> F	PIPEN	IONE
SIZE (ACRES):	0.92					
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope	
SECTION:					:1	
***************************************	CY: life o	f operation x_APPROPRI	on TATION	_		NONE
		LOC	ATION			
COUNTY: CE			Ŋ		RID COORDINA	ATES
BASIN CODE: 02	2130609				ST: 1062	
RIVER/STREAM:	Mill Cree	k				
		REN	MARKS			

		IDEI	VTIFICATIO	ON				
COMPANY: CECI	L SAND AND	GRAVEL		NO. OF PO	NDS ON SITE	E: 5		
SITE NUMBER:	CE3-80-SP-	0353		NUMBER: 4	ŀ			
		DESCR	IPTION OF	POND				
POND IS:	<u>x</u> ACTIVE		INACTIV	7 E				
POND TYPE: <u>x</u> DUGOUTEMBANKMENT								
SPILLWAY TYPE: BARREL W/RISER EMERGENCY X PIPE NONE								
SIZE (ACRES):	1.87							
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope			
SECTION:					:1			
PROXIMITY TO STREAMS: 1500 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: none PERMITS / APPROVALS:x_APPROPRIATIONDISCHARGESCDNONE VEGETATION:VOIDx_SPARSEDENSEDENSETREES								
		LOC	ATION					
COUNTY: CE			Ŋ		RID COORDINA RTH: 649	ATES		
BASIN CODE: 0	2130609			EAS	ST: 1062			
RIVER/STREAM:	Mill Cree							
		REN	MARKS					

IDENTIFICATION								
COMPANY: CECI	L SAND AND (GRAVEL		NO. OF PO	ONDS ON SITE	E: 5		
SITE NUMBER:	CE3-80-SP-	0353	,	NUMBER: 5	5			
		DESCR	IPTION OF	POND				
POND IS:	<u>x</u> ACTIVE		INACTIV	7E				
POND TYPE: x DUGOUTEMBANKMENT								
SPILLWAY TYPE: BARREL W/RISER EMERGENCY X PIPE NONE								
SIZE (ACRES):	: 1.31							
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope			
SECTION:					:1			
PROXIMITY TO STREAMS: 1300 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: low PERMITS / APPROVALS: _x_APPROPRIATIONDISCHARGESCDNONE VEGETATION: _x_VOIDSPARSEDENSEDENSETREES LOCATION LOCATION								
COUNTY: CE			ı		RID COORDINA	ATES		
BASIN CODE: (02130609				ST : 1062			
RIVER/STREAM	: Mill Cree							
		REN	MARKS					

Pond Inventory Sheet

		IDE	NTIFICATION	ON		
COMPANY: YOR	K BUILDING P	RODUCTS-NO	ORTHEAST	NO. OF PO	ONDS ON SITE	: 4
SITE NUMBER:	CE4-77-SP-	0080		NUMBER: 1		
		DESCR	IPTION OF	POND		
POND IS:	<u>x</u> ACTIVE		INACTIV	Æ		
OND TYPE:DUGOUTx_EMBANKMENT						
SPILLWAY TYPI	E:BARREL	W/RISER	EMERGEN	ICY XI	PIPEN	ONE
SIZE (ACRES)	: 11.75					
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope	
SECTION:	21	31.7	38.9	7.2	2.0:1	
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAZ PERMITS / API VEGETATION:	NCY: life ozards: low	f operationAPPROPRI _x_SPARSE	on LATION <u>></u>	SE		NONE
		LOC	ATION			
COUNTY: CE BASIN CODE: (RIVER/STREAM		k	ŀ	NOF	RID COORDINA RTH: 630 ST : 1105	TES
		REN	MARKS			
						=======================================

Plant closing in approximately one year.

Pond Inventory Sheet

IDENTIFICATION									
COMPANY: YORI	K BUILDING P	RODUCTS-NO	ORTHEAST	NO. OF PO	NDS ON SITE	2: 4			
SITE NUMBER:	CE4-77-SP-	080		NUMBER: 2	· · · · · · · · · · · · · · · · · · ·				
		DESCR	IPTION OF	POND					
POND IS:	_x_ACTIVE		INACTIV	Έ					
POND TYPE:	DUGOUT		<u>x</u> EMBANKM	ENT					
SPILLWAY TYPE	:BARREL	W/RISER	EMERGEN	ICY <u>x</u> F	PIPEN	IONE			
SIZE (ACRES):	9.11								
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope				
SECTION:	21	31.7	38.9	7.2	2.0:1				
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAZ PERMITS / APP VEGETATION: _	NCY: life o ZARDS: low PROVALS:VOID	f operationAPPROPRISPARSE	on	SE		NONE			
		LOC	ATION						
COUNTY: CE BASIN CODE: 0	02130608		N	NOF	RID COORDINA RTH: 630 ST : 1105	ATES			
RIVER/STREAM:	: Plum Cree	k							
		REN	MARKS						

Plant is closing in approximately one year.

DESCRIPTION OF POND POND IS:x_ACTIVEINACTIVE POND TYPE:DUGOUTx_EMBANKMENT SPILLWAY TYPE:BARREL W/RISEREMERGENCYPIPEx_NONE SIZE (ACRES): 6.01 Top Width Depth Height Freeboard Downstream (feet) (feet) (feet) Slope
DESCRIPTION OF POND POND IS:
POND IS:
POND TYPE:DUGOUTx_EMBANKMENT SPILLWAY TYPE:BARREL W/RISEREMERGENCYPIPEx_NONE SIZE (ACRES): 6.01 Top WidthDepthHeightFreeboardDownstream
SPILLWAY TYPE: BARREL W/RISER EMERGENCY PIPE X NONE SIZE (ACRES): 6.01 Top Width Depth Height Freeboard Downstream (feet) (feet) (feet) Slope
SIZE (ACRES): 6.01 Top Width Depth Height Freeboard Downstream (feet) (feet) (feet) Slope
Top Width Depth Height Freeboard Downstream (feet) (feet) (feet) Slope
TYPICAL (feet) (feet) (feet) Slope SECTION:
LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: low PERMITS / APPROVALS:APPROPRIATIONx_DISCHARGESCDNO
VEGETATION: VOID SPARSE X DENSE X GRASS X WETLANDS VEGETATION SHRUBS TREES
LOCATION
COUNTY: CE MARYLAND GRID COORDINATES
NORTH: 630 BASIN CODE: 02130608 EAST: 1105
RIVER/STREAM: Plum Creek
REMARKS

Pond Inventory Sheet

The second secon		IDE	NTIFICATI	ON [,]		
COMPANY: YOR	K BUILDING PI	RODUCTS-N	ORTHEAST	NO. OF PO	NDS ON SITE	: 4
SITE NUMBER:	CE4-77-SP-0	080		NUMBER: 4	ه د چي	• • • • • • • • • • • • • • • • • • • •
	48 4 5	DESCR	IPTION OF	POND		
POND IS:	<u>x</u> ACTIVE		INACTI	VE		
POND TYPE:	DUGOUT		× EMBANK	MENT		
SPILLWAY TYP	E:BARREL	W/RISER	EMERGE	NCY <u>x</u> F	PIPEN	ONE
SIZE (ACRES)	: 1.89					
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope	
SECTION:	22	11.0	14.2	3.1	1.2:1	
PROXIMITY TO LIFE EXPECTA POTENTIAL HA PERMITS / AP VEGETATION:	NCY: life of ZARDS: low PROVALS:	f operationAPPROPR	on IATION _	SE		NONE
1.4.4.2.	Company of the compan	LOC	CATION			
COUNTY: CE BASIN CODE:				NOI	RID COORDINA RTH: 630 ST : 1105	ATES
RIVER/STREAM	: Plum Cree		AADKS			
200 - 4-		KEI	MARKS	11. 14. 1		

Plant closing in approximately one year.

IDENTIFICATION							
COMPANY: SEV	EN STAR AGGR	EGATES	200100	NO. OF PO	ONDS ON SITE	5	
SITE NUMBER:	CH1-87-SP-0)249		NUMBER: 1			
		DESCR	IPTION OF	POND			
POND IS:	<u>x</u> ACTIVE		INACTI	VE			
POND TYPE:	<u>x</u> DUGOUT		EMBANK	MENT			
SPILLWAY TYP	E:BARREL	W/RISER	EMERGE	NCYF	PIPE <u>x</u> N	ONE	
SIZE (ACRES)	: 1.32				V		
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope		
SECTION:					:1		
PROXIMITY TO LIFE EXPECTA POTENTIAL HAPERMITS / AP	NCY: at capa ZARDS: high PROVALS:	acity-dredAPPROPRISPARSE	lging	SE	E <u>x</u> SCD	none	
	GRASS _	MEITWINI	OS VEGETAT	10NShF		REES	
		LOC	ATION				
COUNTY: CH BASIN CODE:	. ,			NOF	RID COORDINA RTH: 270 ST : 810	ATES	
RIVER/STREAM	: Clark Rur		<i>M</i> ARKS		(2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		
		1 / Des 1 /					

Pond Inventory Sheet

		IDE	NTIFICATION	ON		
COMPANY: SEVE	N STAR AGGE	REGATES		NO. OF PO	ONDS ON SITE	E: 5
SITE NUMBER:	CH1-87-SP-	0249		NUMBER: 2	:	
		DESCR	IPTION OF	POND		
POND IS:	_x_ACTIVE		INACTIV	7 E		
POND TYPE:	<u>x</u> DUGOUT		EMBANKM	ENT		
SPILLWAY TYPE	E:BARREL	W/RISER	EMERGEN	ICYI	PIPE <u>x</u> N	ONE
SIZE (ACRES):	1.22					
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope	
SECTION:					:1	
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAZ PERMITS / APP	NCY: at cap MARDS: high PROVALS:	acity-dred APPROPRI SPARSE	lging	SE	E <u>x</u> SCD	none
		LOC	ATION			
COUNTY: CH BASIN CODE: C	02140109		ŀ	NOF	RID COORDINA RTH: 270 ST : 810	ATES
RIVER/STREAM:	: Clark Run	٠.				
		REN	MARKS			

In the past pond has run over onto Rosewick Road due to structure exceeding capacity-enfocement action was taken. Eventually will being phased out, dried and seeded.

Pond Inventory Sheet

		IDE	NTIFICATI	ON		
COMPANY: SEVE	EN STAR AGGE	REGATES		NO. OF PO	ONDS ON SITE	5
SITE NUMBER:	CH1-87-SP-	0249		NUMBER: 3		
		DESCR	IPTION OF	POND		
POND IS:	_x_ACTIVE		INACTI	VE		
POND TYPE:	<u>x</u> DUGOUT		EMBANK	MENT		
SPILLWAY TYPE	E:BARREL	W/RISER	EMERGE	NCYF	PIPE <u>x</u> N	IONE
SIZE (ACRES):	: 1.62			·		
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope	
SECTION:					:1	
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAZ PERMITS / API VEGETATION:	NCY: at cap ZARDS: high PROVALS: _	acity-dred APPROPRI SPARSE	dging	SE		NONE
		LOC	ATION			
COUNTY: CH BASIN CODE: ()2140109]	NOF	RID COORDINA RTH: 270 ST : 810	TES
RIVER/STREAM:	Clark Run		44 DI/O			
	·	REN	MARKS			
		1				

Dredge spoil areas being dried and seeded.

	IDEI	NTIFICATIO	ON				
COMPANY: SEVEN STAR	AGGREGATES		NO. OF PO	ONDS ON SITE	E: 5		
SITE NUMBER: CH1-87	-SP-0249		NUMBER: 4				
	DESCR	IPTION OF	POND				
POND IS: <u>x</u> ACTIVEINACTIVE							
POND TYPE: x DU	JGOUT	EMBANKM	ENT [.]				
SPILLWAY TYPE:BA	ARREL W/RISER	EMERGEN	ICXE	PIPE <u>x</u>	ONE		
SIZE (ACRES): 2.30							
TYPICAL (feet		Height (feet)	Freeboard (feet)	Downstream Slope			
SECTION:				:1			
PROXIMITY TO STREAM LIFE EXPECTANCY: at POTENTIAL HAZARDS: PERMITS / APPROVALS VEGETATION:	capacity-dred high APPROPRI SPARSE	dging	SE	e <u>x</u> scd Rubs	NONE		
LOCATION							
COUNTY: CH MARYLAND GRID COORDINATES NORTH: 270 BASIN CODE: 02140109 EAST: 810							
RIVER/STREAM: Clar	c Run						
	REN	MARKS					

Pond Inventory Sheet

		IDE	NTIFICATION	NC		
COMPANY: SEVE	EN STAR AGGI	REGATES		NO. OF PO	NDS ON SITI	E: 5
SITE NUMBER:	CH1-87-SP-	0249		NUMBER: 5	j	
		DESCR	IPTION OF	POND		
POND IS:	<u>x</u> ACTIVE	•	INACTIV	7E		
POND TYPE:	_x_DUGOUT		EMBANK	MENT		
SPILLWAY TYPE	E:BARREL	W/RISER	EMERGEN	ICY	PIPE <u>x</u> l	ONE
SIZE (ACRES):	4.40					
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope	
SECTION:					:1	
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAZ PERMITS / APP VEGETATION: _	NCY: life o	f operationAPPROPRISPARSE	on LATION _x_DENS	SE	Z <u>x</u> SCD	
		LOC	ATION			
COUNTY: CH BASIN CODE: C			1	NOF	RID COORDINA RTH: 270 ST : 810	ATES
	- Clair Rail		MARKS		tip of the special control of the second	
		* * ***				

Behind second plant there is a dredge spoil area which can not be walked on. If it were to fail would run into pond four.

Pond Inventory Sheet

		IDEI	NTIFICATION	ON		
COMPANY: SOM	AR-DRIGGS C	ORP.	NO. OF PONDS ON SITE: 0			: 0
SITE NUMBER:	CH2-80-SP-	0633		NUMBER: 0	1	
		DESCR	IPTION OF	POND		
POND IS:	ACTIVE		INACTIV	7E ⁻		
POND TYPE:	DUGOUT	•	EMBANKM	ENT		
SPILLWAY TYPE	E:BARREL	W/RISER	EMERGEN	ICYF	PIPEN	IONE
SIZE (ACRES)	: 0.00					
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope	
SECTION:				0.0	0.0:1	
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAS PERMITS / APP VEGETATION:	NCY: ZARDS:	APPROPRI SPARSE WETLANI	TATION DENS DS VEGETATS			NONE
		LOC	ATION			
COUNTY: CH			1		RID COORDINA RTH: 262	ATES
BASIN CODE:	02140108			EAS	ST: 828	
RIVER/STREAM	: Zekiah Sw					
		REN	MARKS			

Wash plant with no associated ponds except make up water. Using flocculent method to seperate fines fron discharge water. Fines then belt pressed to dry. Dried material used in reclamation.

Pond Inventory Sheet

		IDEI	NTIFICATION	ON		
COMPANY: CHA	RLES COUNTY	SAND AND	GRAVEL	NO. OF PO	ONDS ON SITE	: 4
SITE NUMBER:	СНЗ			NUMBER: 1	<u>.</u>	
		DESCR	IPTION OF	POND		
POND IS:	<u>x</u> ACTIVE		INACTIV	Æ		
POND TYPE:	ID TYPE:DUGOUT			IENT		
SPILLWAY TYPE	E:BARREL	W/RISER	EMERGEN	ICYF	PIPE <u>x</u> N	ONE
SIZE (ACRES):	6.30	·				
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope	
SECTION:	13	10.8	14.4	3.6	1.7:1	,
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAZ PERMITS / API VEGETATION: _	NCY: life o	f operation x_APPROPRI SPARSE	ON TATION DENS			NONE
		LOC	ATION			
COUNTY: CH BASIN CODE: C		amp	N	NOF	RID COORDINA RTH: 289 ST : 833	TES
		REN	MARKS			

Should be seeded to stabalize embankment.

Pond Inventory Sheet

		IDE	NTIFICATION	N		
COMPANY: CHAR	RLES COUNTY	SAND AND	GRAVEL	NO. OF PO	ONDS ON SITE	: 4
SITE NUMBER:	СНЗ			NUMBER: 2	:	
		DESCR	IPTION OF	POND		
POND IS:	x_ACTIVE		INACTIV	Æ		
POND TYPE:	DUGOUT		_x_EMBANKM	ENT		
SPILLWAY TYPE	:BARREL	W/RISER	EMERGEN	ICYI	PIPE <u>x</u> N	IONE
SIZE (ACRES):	4.90					
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope	
SECTION:	15	10.2	14.7	4.5	1.7:1	
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAZ PERMITS / APP VEGETATION: _	ICY: life o	f operation x_APPROPR SPARSE	on IATION <u>)</u>	SE		NONE
		FOC	CATION			
COUNTY: CH BASIN CODE: C				NOI	RID COORDINA RTH: 289 ST : 833	ATES
RIVER/STREAM:	Jordan Sw		1481/0			
		REN	MARKS			<u></u>

Should be seeded to stabalize the embankment.

Pond Inventory Sheet

		IDEI	NTIFICATIO	ON		
COMPANY: CHAI	RLES COUNTY	SAND AND	GRAVEL	NO. OF PO	ONDS ON SITE	: 4
SITE NUMBER:	СНЗ			NUMBER: 3	.	
		DESCR	IPTION OF	POND		
POND IS:	ACTIVE		_x_INACTIV	Æ		
POND TYPE:	DUGOUT		x_EMBANKM	ENT		
SPILLWAY TYPE	:BARREL	W/RISER	EMERGEN	ICYF	PIPE <u>x</u> N	ONE
SIZE (ACRES):	2.14					
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope	
SECTION:	13	7.4	8.2	0.8	1.7:1	
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAZ PERMITS / APP VEGETATION:	NCY: ZARDS: inte PROVALS:VOID	rmediate <u>x</u> APPROPRI <u>x</u> SPARSE	<u> </u>	SE		none rees
		LOC	ATION			
COUNTY: CH BASIN CODE: C RIVER/STREAM:		amp	N	NOF	RID COORDINA RTH: 289 ST: 833	TES
		REN	MARKS			

In the process of being reclaimed.

Pond Inventory Sheet

IDENTIFICATION									
COMPANY: CHAI	RLES COUNTY	SAND AND C	GRAVEL	NO. OF PO	NDS ON SITE	: 4			
SITE NUMBER:	СНЗ			NUMBER: 4	·				
		DESCR	IPTION OF	POND					
POND IS:	ACTIVE		x_INACTIV	Æ	0.0	•			
POND TYPE:	DUGOUTx_EMBANKMENT								
SPILLWAY TYPE	:BARREL	W/RISER	EMERGEN	ICYF	PIPE <u>x</u> N	ONE			
SIZE (ACRES):	3.41								
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope				
	13	7.4	8.2	0.8	1.7:1				
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAZ PERMITS / APP VEGETATION:	ICY: CARDS: low PROVALS:VOID	<u>x</u> APPROPRI <u>x</u> SPARSE	IATION _>DENS	_		NONE			
		LOC	ATION		 				
COUNTY: CH BASIN CODE: C		amp	Ŋ	NOF	RID COORDINA RTH: 289 ST : 833	ATES			
		REN	MARKS						

In the process of being reclaimed.

		IDEI	NTIFICATION	ON		
COMPANY: GOOS	SE BAY AGGR	EGATES		NO. OF PO	ONDS ON SITE	E: 9
SITE NUMBER:	CH4-82-SP-	0139		NUMBER: 1		
		DESCR	IPTION OF	POND		
POND IS:	_x_ACTIVE		INACTIV	Æ		÷
POND TYPE:	DUGOUT		_x_EMBANKM	IENT		
SPILLWAY TYPE	:BARREL	W/RISER	EMERGEN	ICYF	PIPEN	IONE
SIZE (ACRES):	6.00			,		
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope	
SECTION:	20	13.0	25.0	12.0	2.5:1	
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAZ PERMITS / APP VEGETATION: _	ICY: life o CARDS: low PROVALS:VOID	f operationAPPROPRIx_SPARSE	nc <u>x</u> NOITA	SE		none
		LOC	ATION			
COUNTY: CH			N		RID COORDINA	ATES
BASIN CODE: 0	2141102				ST: 732	
RIVER/STREAM:	Potomac R	iver				
		REN	MARKS			

IDENTIFICATION								
COMPANY: GOOS	SE BAY AGGR	EGATES		NO. OF PO	NDS ON SITE	: 9		
SITE NUMBER:	CH4-82-SP-	0139		NUMBER: 2				
		DESCR	IPTION OF	POND		•		
POND IS:	x_ACTIVE		INACTIV	Æ				
POND TYPE:	DUGOUTx_EMBANKMENT							
SPILLWAY TYPE	: <u>x</u> BARREL	W/RISER	EMERGEN	ICYF	PIPEN	ONE		
SIZE (ACRES):	7.86	1						
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope			
SECTION:	20	13.0	25.0	12.0	2.5:1			
_	ICY: life on ARDS: low PROVALS:	f operationAPPROPRIx_SPARSE	o n			NONE		
		LOC	CATION					
COUNTY: CH			N		RID COORDINA	ATES		
BASIN CODE: 0	2141102				ST: 732			
RIVER/STREAM:	Potomac R	iver		· · · · · · · · · · · · · · · · · · ·				
		REN	MARKS		·			

		IDEN	NTIFICATIO	ON		
COMPANY: GOOSE BAY	AGGRE	GATES		NO. OF PO	NDS ON SITE	: 9
SITE NUMBER: CH4-8	32-SP-0	139		NUMBER: 3		
		DESCR	IPTION OF	POND		
POND IS: x	ACTIVE		INACTIV	Æ		
POND TYPE:DUGOUTx_EMBANKMENT						
SPILLWAY TYPE:I	BARREL	W/RISER	EMERGEN	ICYP	PIPEN	ONE
SIZE (ACRES): 3.0	53					
TYPICAL (fee	Width et)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope	
SECTION:		13.0	25.0	12.0	2.5:1	
PROXIMITY TO STREAT LIFE EXPECTANCY: POTENTIAL HAZARDS PERMITS / APPROVAL VEGETATION:VO:x_GRA	life of low LS:	operatio _APPROPRI <u>x</u> SPARSE x_WETLAND	non Kolta.	SE .		NONE
			·			
COUNTY: CH BASIN CODE: 02141	102)	NOF	RID COORDINA RTH: 245 ST : 732	ATES
RIVER/STREAM: Pote	omac Ri	ver				
		REM	MARKS			

IDENTIFICATION								
COMPANY: GOOSE BAY AGGREGATES NO. OF PONDS ON SITE: 9								
SITE NUMBER:	CH4-82-SP-	0139		NUMBER: 4				
DESCRIPTION OF POND								
POND IS:	ACTIVE		<u>x</u> INACTIV	Έ				
POND TYPE:	<u>x</u> DUGOUT		EMBANKM	ENT		•		
SPILLWAY TYPE	:BARREL	W/RISER	EMERGEN	ICYF	PIPEN	IONE		
SIZE (ACRES):	0.44							
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope			
SECTION:					:1			
PROXIMITY TO STREAMS: 3100 FEET LIFE EXPECTANCY: POTENTIAL HAZARDS: low PERMITS / APPROVALS:APPROPRIATIONx_DISCHARGEx_SCDNONE VEGETATION:VOIDx_SPARSEDENSEX_GRASSx_WETLANDS_VEGETATIONSHRUBSTREES								
LOCATION								
COUNTY: CH MARYLAND GRID COORDINATES NORTH: 245 BASIN CODE: 02141102 EAST: 732								
RIVER/STREAM:	Potomac R		44 DI/C					
		REN	MARKS					

IDENTIFICATION							
COMPANY: GOO	COMPANY: GOOSE BAY AGGREGATES NO. OF PONDS ON SITE: 9						
SITE NUMBER:	CH4-82-SP-	0139		NUMBER: 5	<u>.</u>		
		DESCR	IPTION OF	POND			
POND IS:	ACTIVE		x INACTIV	/E			
POND TYPE:	<u>x</u> DUGOUT		EMBANKM	MENT			
SPILLWAY TYPE	E:BARREL	W/RISER	EMERGEN	ICYF	PIPEN	ONE	
SIZE (ACRES):	0.72						
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope		
SECTION:					:1		
PROXIMITY TO STREAMS: 3100 FEET LIFE EXPECTANCY: POTENTIAL HAZARDS: low PERMITS / APPROVALS:APPROPRIATION _x_DISCHARGE _x_SCDNONE VEGETATION:VOID _x_SPARSEDENSEDENSEX GRASS _x_WETLANDS_VEGETATION _SHRUBS _TREES							
LOCATION							
COLINARY - CH		LOC		(ADVIAND CT	TD COORDING	mrc.	
	COUNTY: CH MARYLAND GRID COORDINATES NORTH: 245						
BASIN CODE: (.		EAS	ST : 732		
RIVER/STREAM:	Potomac R		AADVS				
		KEN	MARKS			· · · · · · · · · · · · · · · · · · ·	

		IDEI	NTIFICATIO	ON			
COMPANY: GOO	SE BAY AGGR	EGATES		NO. OF PO	NDS ON SITE	E: 9	
SITE NUMBER:	CH4-82-SP-	0139		NUMBER: 6	į		
	· · · · · · · · · · · · · · · · · · ·	DESCR	IPTION OF	POND			
POND IS:	ACTIVE		_x_INACTIV	Æ			
POND TYPE:	_x_DUGOUT		EMBANKM	IENT			
SPILLWAY TYPI	E:BARREL	W/RISER	EMERGEN	ICYF	PIPE1	NONE	
SIZE (ACRES)	3.90						
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope		
SECTION:					:1		
PROXIMITY TO STREAMS: 3100 FEET LIFE EXPECTANCY: POTENTIAL HAZARDS: low PERMITS / APPROVALS:APPROPRIATIONx_DISCHARGE _x_SCDNONE VEGETATION:VOIDx_SPARSEDENSEDENSE TREES							
		LOC	ATION				
COUNTY: CH MARYLAND GRID COORDINATES NORTH: 245 BASIN CODE: 02141102 EAST: 732 RIVER/STREAM: Potomac River						ATES	
TIVEN SIREMI	. FOCOMAC R		MARKS				
							

IDENTIFICATION								
COMPANY: GOOS	COMPANY: GOOSE BAY AGGREGATES NO. OF PONDS ON SITE: 9							
SITE NUMBER:	CH4-82-SP-	0139		NUMBER: 7				
		DESCR	IPTION OF	POND				
POND IS:	POND IS: <u>x</u> ACTIVEINACTIVE							
POND TYPE:	DUGOUT		x EMBANK	MENT				
SPILLWAY TYPE	BARREL	W/RISER	EMERGEN	ICYF	PIPEN	IONE		
SIZE (ACRES):	1.26	·						
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope			
SECTION:	3	10.9	18.9	8.0	3.0:1			
PROXIMITY TO STREAMS: 3100 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: intermediate PERMITS / APPROVALS:APPROPRIATIONx_DISCHARGEx_SCDNONE VEGETATION: _x_VOIDSPARSEDENSEDENSETREES								
BASIN CODE: 0 RIVER/STREAM:		iver		a.e.v.	ST : 732			
			// ARKS					

IDENTIFICATION								
COMPANY: GOOS	COMPANY: GOOSE BAY AGGREGATES NO. OF PONDS ON SITE: 9							
SITE NUMBER:	CH4-82-SP-	0139		NUMBER: 8				
		DESCR	IPTION OF	POND				
POND IS:	x_ACTIVE		INACTIV	'E				
POND TYPE:	DUGOUT		<u>x</u> EMBANKM	ENT				
SPILLWAY TYPE	E:BARREL	W/RISER	EMERGEN	ICYF	PIPE <u>x</u> N	IONE		
SIZE (ACRES):	2.11							
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope			
SECTION:	3	10.9	18.9	8.0	3.0:1			
PROXIMITY TO LIFE EXPECTAN	NCY: life o	f operation	on					
PERMITS / APPROVALS: APPROPRIATIONx_DISCHARGE _x_SCDNONE VEGETATION: _x_VOIDSPARSEDENSEDENSESHRUBSTREES GRASSWETLANDS VEGETATIONSHRUBSTREES								
LOCATION								
COUNTY: CH BASIN CODE: 0	02141102		ŀ	иои	RID COORDINA RTH: 245 ST: 732	ATES		
RIVER/STREAM:	Potomac R			·				
		REN	/ARKS					

IDENTIFICATION								
COMPANY: GOOS	SE BAY AGGRI	EGATES		NO. OF PO	NDS ON SITE	: 9		
SITE NUMBER: CH4-82-SP-0139 NUMBER: 9								
		DESCR	IPTION OF	POND				
POND IS:X_ACTIVEINACTIVE								
POND TYPE:	DUGOUT		x_EMBANKM	IENT				
SPILLWAY TYPE	E:BARREL	W/RISER	EMERGEN	ICYP	PIPEN	ONE		
SIZE (ACRES):	4.46							
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope			
SECTION:	3	10.9	18.9	8.0	3.0:1			
PROXIMITY TO STREAMS: 3100 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: intermediate PERMITS / APPROVALS:APPROPRIATIONx_DISCHARGEx_SCDNONE								
VEGETATION:SPARSEDENSE GRASSWETLANDS VEGETATIONSHRUBSTREES								
LOCATION								
	COUNTY: CH MARYLAND GRID COORDINATES NORTH: 245							
BASIN CODE: 02141102 EAST: 732 RIVER/STREAM: Potomac River								
- TVIN DIREATE	. FOCOMOC R		MARKS	·				
		0 4 m 0 7						

	IDENTIFICATION							
COMPANY: FOOI	COMPANY: FOOKS SAND AND GRAVEL NO. OF PONDS ON SITE: 1							
SITE NUMBER:	D01-77-SP-	0105		NUMBER: 1	-			
		DESCR	IPTION OF	POND				
POND IS:	_x_ACTIVE		INACTIV	Æ				
POND TYPE:	<u>x</u> DUGOUT		EMBANKM	IENT				
SPILLWAY TYPE	E:BARREL	W/RISER	EMERGEN	ICYF	PIPE <u>x</u> N	IONE		
SIZE (ACRES):	6.19							
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope			
SECTION:					:1			
PROXIMITY TO		1000 FEE	- -					
POTENTIAL HAZ	ZARDS: low							
PERMITS / API	PROVALS: _	x_APPROPRI	NOITA	DISCHARGE	ESCD	NONE		
VEGETATION:VOID _x SPARSEDENSE GRASS _x WETLANDS VEGETATIONSHRUBS _x TREES								
		LOC	ATION					
COUNTY: DO			N		RID COORDINA	ATES		
BASIN CODE: 0	02130403				ST : 1117			
RIVER/STREAM	: Gravel Ru	n						
		REN	MARKS					

IDENTIFICATION							
COMPANY: ELDOBROOK SAND AND GRAVEL NO. OF PONDS ON SITE: 1							
SITE NUMBER: DO2-86-SP-0243 NUMBER: 1							
DESCRIPTION OF POND							
POND IS: _x_ACTIVEINACTIVE							
POND TYPE: <u>x</u> DUGOUTEMBANKMENT							
SPILLWAY TYPE: BARREL W/RISER EMERGENCY PIPE X NONE							
SIZE (ACRES): 0.66							
Top Width Depth Height Freeboard Downstream (feet) (feet) (feet) Slope							
SECTION:							
PROXIMITY TO STREAMS: 3100 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: low PERMITS / APPROVALS:APPROPRIATIONDISCHARGESCDx_NONE VEGETATION:VOIDx_SPARSEDENSEDENSEX_GRASSWETLANDS VEGETATIONx_SHRUBSTREES LOCATION MARYLAND CRID COORDINATES							
COUNTY: DO MARYLAND GRID COORDINATES NORTH: 275 BASIN CODE: 02130306							
BASIN CODE: 02130306 EAST: 1141 RIVER/STREAM: Marshy Hope Creek							
REMARKS							

Pond Inventory Sheet

COMPANY: JOHNSON T. SHUFELT NO. OF PONDS ON SITE:								
SITE NUMBER: DO3-77-SP-0098 NUMBER:								
DESCRIPTION OF POND								
POND IS:								
POND TYPE: _x_DUGOUTEMBANKMENT								
SPILLWAY TYPE:BARREL W/RISEREMERGENCYPIPE _x_NONE								
SIZE (ACRES):								
Top Width Depth Height Freeboard Downstream (feet) (feet) (feet) Slope								
SECTION:								
PROXIMITY TO STREAMS: 400 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: none PERMITS / APPROVALS: _x APPROPRIATIONDISCHARGESCDNONE VEGETATION:VOIDSPARSE _x DENSEX DENSESRASS _x WETLANDS VEGETATIONSHRUBSTREES								
LOCATION								
LOCATION								
COUNTY: DO MARYLAND GRID COORDINATES NORTH: 282 BASIN CODE: 02130403 EAST: 1100								
RIVER/STREAM: Warwick River								
REMARKS								

Channel about 400 ft. long and 50 ft. wide, at end of channel dense wetlands vegetation, sediment settles out into vegetation. Channel leads back into pit which is hydraulically mined.

Pond Inventory Sheet

IDENTIFICATION							
COMPANY: EASTERN CORPORATION NO. OF PONDS ON SITE:							
SITE NUMBER: DO4-77-SP-0100 NUMBER:							
DESCRIPTION OF POND							
POND IS: X_ACTIVEINACTIVE							
POND TYPE: x_DUGOUTEMBANKMENT							
SPILLWAY TYPE:BARREL W/RISEREMERGENCYPIPE _x_NONE							
SIZE (ACRES):							
Top Width Depth Height Freeboard Downstream (feet) (feet) (feet) Slope							
SECTION:							
PROXIMITY TO STREAMS: 50 FEET							
LIFE EXPECTANCY: life of operation							
POTENTIAL HAZARDS: low							
PERMITS / APPROVALS: x APPROPRIATIONDISCHARGESCDNONE							
VEGETATION: VOID SPARSE _x_DENSE GRASS _x_WETLANDS VEGETATION SHRUBS _x_TREES							
LOCATION							
COUNTY: DO MARYLAND GRID COORDINATES							
BASIN CODE: 02130306 NORTH: 304 EAST: 1149							
RIVER/STREAM: Marshy Hope Creek							
REMARKS							

Wash plant with no pond-material goes into a channel which is continually dipped out. Not able to walk on sides of channel.

Pond Inventory Sheet

IDENTIFICATION								
COMPANY: HARF	ORD SANDS,I	NC.		NO. OF PO	ONDS ON SITE	: 1		
SITE NUMBER:	HA1-77-SP-	0089		NUMBER: 1				
		DESCR	IPTION OF	POND				
POND IS:	<u>x</u> ACTIVE		INACTIV	Æ				
POND TYPE:	DUGOUT		<u>x</u> EMBANKM	IENT				
SPILLWAY TYPE	:BARREL	W/RISER	EMERGEN	ICY <u>x</u> F	PIPEN	IONE		
SIZE (ACRES):	8.90							
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope			
SECTION:	11	7.9	11.2	3.0	1.5:1			
PROXIMITY TO STREAMS: 100 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: high PERMITS / APPROVALS: APPROPRIATION DISCHARGE X SCD NONE VEGETATION: VOID SPARSE DENSE DENSE TREES LOCATION COUNTY: HA								
RIVER/STREAM:	unnamed t	rib.to Gur	npowder			·····		
		REN	MARKS					

Poyential hazards are high because embankment is uncompacted material and both height and length are added to pond using fines to increase holding capacity.

Pond Inventory Sheet

		IDEI	NTIFICATION	ON			
COMPANY: SPEN	COMPANY: SPENCER SAND AND GRAVEL NO. OF PONDS ON SITE: 2						
SITE NUMBER:	HA2-77-SP-	0076		NUMBER: 1	-		
		DESCR	IPTION OF	POND			
POND IS:	ACTIVE		x_INACTIV	7E			
POND TYPE:	_x_DUGOUT		EMBANK	MENT			
SPILLWAY TYPI	E:BARREL	W/RISER	EMERGEN	ICYI	PIPE <u>x</u>	NONE	
SIZE (ACRES)	: 0.27						
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope		
SECTION:					:1]	
						-	
PROXIMITY TO	STREAMS:	5000 FEE	ET	,			
LIFE EXPECTA	NCY:						
POTENTIAL HAS	ZARDS: low			•			
PERMITS / AP	PROVALS: _	APPROPRI	TATION _	DISCHARGE	ESCD	<u>x</u> none	
VEGETATION: _			<u>x</u> DENS OS VEGETATI	SE ION <u>x</u> SHE	RUBS	rrees.	
		LOC	ATION				
COUNTY: HA BASIN CODE:	02130704		Ŋ	NOF	RID COORDINA RTH: 597 ST : 1001	ATES	
RIVER/STREAM		Tributary		IJAL.			
	. Japin Nan		MARKS				
		17 - 17					

Wash plant closed, ponds are being dug out and the material is being used for the landfill. Area is starting to be reclaimed.

Pond Inventory Sheet

IDENTIFICATION										
COMPANY: SPEN	ICER SAND AN	D GRAVEL		NO. OF PO	ONDS ON SITE	2: 2				
SITE NUMBER:	HA2-77-SP-	0076		NUMBER: 2	:					
		DESCR	IPTION OF	POND						
POND IS:	ACTIVE		<u>x</u> INACTIV	Έ						
POND TYPE:	E: <u>x</u> DUGOUTEMBANKMENT									
SPILLWAY TYP	E:BARREL	W/RISER	EMERGEN	CYF	PIPE <u>x</u> N	IONE				
SIZE (ACRES)	: 0.55									
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope					
SECTION:					:1					
PROXIMITY TO LIFE EXPECTANT POTENTIAL HAS PERMITS / AP	NCY: ZARDS: low (DISCHARGE	scD	<u>x</u> none				
VEGETATION:	VOID x GRASS				RUBS1	TREES				
		roc	ATION							
COUNTY: HA BASIN CODE:	02130704		1	NOI	RID COORDINA RTH: 597 ST : 1001	ATES				
RIVER/STREAM	: Bush Rive	r Tributa	су							
		REN	MARKS							
Only six mon	ths to one	year of ma	aterial le	ft. Will no	ot run plant					

again.

Pond Inventory Sheet

IDENTIFICATION									
COMPANY: DANI	EKER SAND AN	ID GRAVEL		NO. OF PO	ONDS ON SITE	2: 2			
SITE NUMBER:	HA3-79-SP-6	0119		NUMBER: 1					
		DESCR	IPTION OF	POND					
POND IS:	ACTIVE		<u>x</u> INACTIV	Æ		J			
POND TYPE:	x_DUGOUT		EMBANKM	IENT					
SPILLWAY TYPE	E:BARREL	W/RISER	EMERGEN	ICY <u>x</u> I	PIPEN	ONE			
SIZE (ACRES):	0.39								
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope				
SECTION:					:1				
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAZ PERMITS / APP VEGETATION:	NCY: ZARDS: none PROVALS:	x_APPROPRI _x_SPARSE	IATION <u>x</u>	SE .		NONE			
		LOC	CATION						
COUNTY: HA BASIN CODE: 0	02130702		P	NOF	RID COORDINA RTH: 593 ST : 983	ATES			
RIVER/STREAM:	: Winters R	un Tributa	ary						
		REA	<i>I</i> ARKS						

Plant is not being run at this time may not be used in future, however, an active surface mining permit still governs site.

IDENTIFICATION									
COMPANY: DANEKER SAND AND GRAVEL NO. OF PONDS ON SITE: 2									
SITE NUMBER: HA3-79-SP-0119 NUMBER: 2									
DESCRIPTION OF POND									
POND IS:ACTIVEX_INACTIVE									
POND TYPE:DUGOUTx_EMBANKMENT									
SPILLWAY TYPE: BARREL W/RISEREMERGENCYPIPE _x_NONE °									
SIZE (ACRES): 0.45									
Top Width Depth Height Freeboard Downstream (feet) (feet) (feet) Slope									
6 4.2 7.7 3.2 2.4:1									
PROXIMITY TO STREAMS: 2000 FEET LIFE EXPECTANCY: POTENTIAL HAZARDS: none PERMITS / APPROVALS: _x APPROPRIATION _x DISCHARGESCDNONE VEGETATION:VOID _x SPARSEDENSE x GRASS _x WETLANDS VEGETATIONSHRUBSTREES									
LOCATION									
COUNTY: HA MARYLAND GRID COORDINATES									
NORTH: 593 BASIN CODE: 02130702 EAST: 983									
RIVER/STREAM: Winters Run Tributary									
REMARKS									

IDENTIFICATION									
COMPANY: S AN	COMPANY: S AND G CONCRETE NO. OF PONDS ON SITE: 3								
SITE NUMBER:	HA4-83-SP-	0149		NUMBER: 1	-				
<u> </u>		DESCR	IPTION OF	POND					
POND IS:	<u>x</u> ACTIVE		INACTIV	'E					
POND TYPE:	_x_DUGOUT		EMBANKM	IENT					
SPILLWAY TYPE	E:BARREL	W/RISER	EMERGEN	ICY <u>x</u> F	PIPEN	IONE			
SIZE (ACRES):	1.92								
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope				
SECTION:					:1				
PROXIMITY TO LIFE EXPECTANT POTENTIAL HAZ PERMITS / API VEGETATION:	NCY: life o ZARDS: none PROVALS: _	f operation x_APPROPRI x_SPARSE	on LATION <u>.</u>	SE		NONE			
		LOC	ATION						
COUNTY: HA BASIN CODE: 0	02120702		ì	NOF	RID COORDINA RTH: 589 ST : 993	ATES			
RIVER/STREAM		un		LAS	or : 333				
			MARKS			" 			

SITE NUMBER: HA4-83-SP-0149 DESCRIPTION OF POND POND IS:
DESCRIPTION OF POND POND IS:
POND IS:
POND TYPE: _x_DUGOUTEMBANKMENT SPILLWAY TYPE: _BARREL W/RISER _EMERGENCY _x_PIPENONE SIZE (ACRES): 1.15 Top Width Depth (feet) (feet) (feet) Slope SECTION: :1 PROXIMITY TO STREAMS: 1500 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: low
SPILLWAY TYPE:BARREL W/RISEREMERGENCY _x_PIPENONE SIZE (ACRES): 1.15 Top Width Depth Height Freeboard Downstream (feet) (feet) (feet) slope SECTION: :1 PROXIMITY TO STREAMS: 1500 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: low
TOP Width Depth Height Freeboard Cownstream (feet) (feet) (feet) Slope PROXIMITY TO STREAMS: 1500 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: low
TYPICAL (feet) (feet) (feet) Freeboard (feet) Slope SECTION: TOP Width (feet) (feet) (feet) Slope :1 PROXIMITY TO STREAMS: 1500 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: low
TYPICAL (feet) (feet) (feet) Slope SECTION: PROXIMITY TO STREAMS: 1500 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: low
PROXIMITY TO STREAMS: 1500 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: low
LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: low
VEGETATION: _x_VOIDSPARSEDENSE GRASSWETLANDS VEGETATIONSHRUBSTREES
LOCATION
COUNTY: HA MARYLAND GRID COORDINATES NORTH: 589 BASIN CODE: 02130702 EAST: 993
RIVER/STREAM: Winters Run
REMARKS

IDENTIFICATION									
COMPANY: S AN	D G CONCRET	Έ		NO. OF PO	ONDS ON SITE	2: 3			
SITE NUMBER:	HA4-83-SP-	0149		NUMBER: 3					
		DESCR	IPTION OF	POND					
POND IS:	<u>x</u> ACTIVE		INACTIV	Æ					
POND TYPE:	x_DUGOUT		EMBANKM	IENT					
SPILLWAY TYPE	E:BARREL	W/RISER	EMERGEN	ICY <u>x</u> F	PIPEN	IONE			
SIZE (ACRES):	2.56								
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope				
SECTION:		!!			:1				
	<u> </u>		<u> </u>						
PROXIMITY TO	STREAMS:	1500 FE	E T						
LIFE EXPECTAN	NCY: life o	f operation	on						
POTENTIAL HAZ	ZARDS: low								
PERMITS / API	PROVALS: _	x_APPROPRI	CATION _x	_DISCHARGE	ESCD	NONE			
VEGETATION: _	x_VOID GRASS	SPARSE WETLANI	DENS VEGETATI	-	RUBS1	rees			
		LOC	ATION						
COUNTY: HA			Ŋ		RID COORDINA	ATES			
BASIN CODE: 0	02130702				ST: 993				
RIVER/STREAM:	: Winters R	un							
		REN	MARKS						

IDENTIFICATION									
COMPANY: AGG	REGATE INDU	STRIES		NO. OF PO	NDS ON SIT	E: 1			
SITE NUMBER: PG1 NUMBER: 1									
		DESCR	IPTION OF	POND					
POND IS:	_x_ACTIVE		INACTIV	Æ					
POND TYPE:	<u>x</u> DUGOUT		EMBANKM	ENT					
SPILLWAY TYPE	E:BARREL	W/RISER	EMERGEN	ICY <u>x</u> F	PIPE	NONE			
SIZE (ACRES):	5.41								
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope				
SECTION:					:1	1			
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAZ PERMITS / API VEGETATION:	NCY: life ozards: low provals:	f operationAPPROPR:x_SPARSE	on IATION	SE		none Trees			
		LOC	CATION						
COUNTY: PG BASIN CODE:			1	NOI	RID COORDIN RTH: 350 ST : 841	ATES			
RIVER/STREAM	: Piscatawa		MARKS						
		ושא	CANAIV						

IDENTIFICATION									
COMPANY: SILV	ER HILL			NO. OF PO	ONDS ON SITE	2: 1			
SITE NUMBER:	PG2			NUMBER: 1		:			
		DESCR	RIPTION OF	POND					
POND IS:	_x_ACTIVE		INACTI	VE	• ,	· f			
POND TYPE:	_x_DUGOUT		EMBANK	MENT		;			
SPILLWAY TYPE	E:BARREL	W/RISER	<u>x</u> EMERGE	NCYF	PIPEN	IONE			
SIZE (ACRES):	4.64								
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope				
SECTION:					:1				
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAZ PERMITS / APP VEGETATION:	NCY: life o ZARDS: none PROVALS:VOID	f operationAPPROPR	on	SE		NONE			
		LOC	CATION						
COUNTY: PG BASIN CODE: 0	2140204			NOF	RID COORDINA RTH: 359 ST: 809	ATES			
RIVER/STREAM:		eek		LAC		0			
			MARKS						
									

		IDEI	NTIFICATIO	N		
COMPANY: INLA	ND MATERIAI	S		NO. OF PO	ONDS ON SITE	E: 2
SITE NUMBER:	PG3			NUMBER: 1		
		DESCR	iption of	POND		1
POND IS:	x_ACTIVE		INACTIV	Æ		:
POND TYPE:	DUGOUT		_x_EMBANKM	IENT		
SPILLWAY TYPE	:BARREL	W/RISER	EMERGEN	ICY <u>x</u> F	PIPE	ONE
SIZE (ACRES):	4.43					.•
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope	
	17	15.1	17.2	2.1	1.7:1	
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAZ PERMITS / APE VEGETATION:	ICY: life o	f operationAPPROPRISPARSE	nc <u>«</u> NOITAI	SE		NONE
		LOC	CATION			
COUNTY: PG BASIN CODE: C			4	NOF	RID COORDINA RTH: 369 ST : 810	ATES
		REN	arks			

Pond Inventory Sheet

IDENTIFICATION									
COMPANY: INLA	ND MATERIAL	LS		NO. OF PO	ONDS ON SITE	2: 2			
SITE NUMBER:	PG3			NUMBER: 2	!	:			
		DESCR	IPTION OF	POND					
POND IS:	x ACTIVE		INACTIV	Æ					
POND TYPE:	_x_DUGOUT		EMBANK	IENT					
SPILLWAY TYPE	:BARREL	W/RISER	EMERGEN	ICYF	PIPEN	IONE			
SIZE (ACRES):	1.24	•							
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope				
SECTION:					:1				
	CY: life o ARDS: none ROVALS:VOID	f operationAPPROPRISPARSE	on	SE		NONE			
		LOC	CATION						
COUNTY: PG			1	NOF	RID COORDINA	ATES			
BASIN CODE: 0	2140204			EAS	ST : 816				
RIVER/STREAM:	Oxon Run			<u> </u>					
		REN	/ARKS						

Material dried in six to eight inch lifts and then disked, additional material is placed on top. After height desired is obtained, area is seeded.

Pond Inventory Sheet

IDENTIFICATION									
COMPANY: A.H. SMITH-BRANCHVILLE NO. OF PONDS ON SITE:									
SITE NUMBER:	SITE NUMBER: PG4 NUMBER:								
		DESCR	IPTION OF	POND					
POND IS:	ACTIVE		INACTIV	Æ					
POND TYPE:	DUGOUT		EMBANKM	IENT					
SPILLWAY TYPE	E:BARREL	W/RISER	EMERGEN	ICYF	PIPE	ONE			
SIZE (ACRES):	:								
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope				
SECTION:				,					
PROXIMITY TO LIFE EXPECTANT	VCY:	FEE	ET						
PERMITS / API	PROVALS: _	APPROPRI	TATION	DISCHARGE	Escd	NONE			
VEGETATION: _	VEGETATION: SPARSEDENSE GRASSWETLANDS VEGETATIONSHRUBSTREES								
		LOC	ATION						
COUNTY: PG BASIN CODE:		,	1	иои	RID COORDINA RTH: ST :	ATES			
RIVER/STREAM									
		REN	MARKS						

Permission denied by owner to survey ponds. Ponds are not in a surface mining permit area so additional information is unavailable.

Pond Inventory Sheet

IDENTIFICATION									
COMPANY: A.H	I. SMITH-BRANI	YWINE		NO. OF PO	NDS ON SITE	•			
SITE NUMBER	: PG5			NUMBER:					
		DESCR	IPTION O	F POND					
POND IS:	ACTIVE		INACTI	IVE					
POND TYPE:	DUGOUT		EMBANI	MENT					
SPILLWAY TY	PE:BARREL	W/RISER	EMERGE	ENCYI	PIPEN	IONE			
SIZE (ACRES)	·):								
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope				
SECTION:									
	·					ı			
PROXIMITY TO	O STREAMS:	FE	et						
LIFE EXPECT	ANCY:								
POTENTIAL H	AZARDS:					;			
PERMITS / A	PPROVALS: _	APPROPR	IATION _	DISCHARGI	ESCD	NONE			
VEGETATION:									
		LOC	CATION						
COUNTY: PG					RID COORDINA	ATES			
BASIN CODE:	`				RTH: 0 ST: 0				
RIVER/STREA	M:								
	· · · · · · · · · · · · · · · · · · ·	REI	MARKS						

Permission denied by owner to survey ponds.

Pond Inventory Sheet

		IDE	NTIFICATIO	ON					
COMPANY: DAVI	S SAND AND (GRAVEL		NO. OF PO	NDS ON SITE	:			
SITE NUMBER:	PG6			NUMBER:		•			
		DESCR	IPTION OF	POND					
POND IS:	ACTIVE		INACTIV	Æ					
POND TYPE:	DUGOUT		EMBANK	ENT	,				
SPILLWAY TYPE	SPILLWAY TYPE: BARREL W/RISEREMERGENCYPIPENONE								
SIZE (ACRES):	: 1								
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope				
						1			
PROXIMITY TO	STREAMS:	FEF	eT						
LIFE EXPECTAN	NCY:								
POTENTIAL HAZ	ZARDS:								
PERMITS / API	PROVALS: _	APPROPRI	LATION	DISCHARGI	Escd	NONE			
VEGETATION: _	VOID GRASS	SPARSE WETLANI	DENS		RUBS1	REES			
		LOC	ATION						
COUNTY: PG		•	1		RID COORDINA	TES			
BASIN CODE:					ST : 0				
RIVER/STREAM	•								
		REN	MARKS						

Owned by A.H. Smith-permission denied to survey ponds.

IDENTIFICATION								
COMPANY: E.L.	GARDNER			NO. OF PO	NDS ON SITE	: 4		
SITE NUMBER:	PG7-77-SP-	0013		NUMBER: 1				
		DESCR	IPTION OF	POND				
POND IS:	<u>x</u> ACTIVE		INACTIV	7 E				
POND TYPE:	<u>x</u> DUGOUT		EMBANKM	ENT				
SPILLWAY TYP	E:BARREL	W/RISER	EMERGEN	ICY <u>x</u> F	PIPEN	ONE		
SIZE (ACRES)	: 0.68	·						
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope			
SECTION:					:1			
LIFE EXPECTANT POTENTIAL HAS PERMITS / APR	PROXIMITY TO STREAMS: 20000 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: none PERMITS / APPROVALS:APPROPRIATIONDISCHARGESCD _x_NONE VEGETATION:VOID _x_SPARSEDENSE							
		100						
		LOC	CATION					
COUNTY: PG			1	иои	RID COORDINA RTH: 317	ATES		
BASIN CODE:		J-		EAS	ST: 853			
RIVER/STREAM	: Kock Cree		MARKS					
		VEN	VIANNO					

identification									
COMPANY: E.L. C	GARDNER			NO. OF PO	NDS ON SITE	: 4			
SITE NUMBER:	PG7-77-SP-	0013		NUMBER: 2	:				
		DESCR	iption of	POND					
POND IS:	_x_ACTIVE		inactiv	E	·				
POND TYPE:	_x_DUGOUT	<u>x</u> DUGOUTEMBANKMENT							
SPILLWAY TYPE	SPILLWAY TYPE: BARREL W/RISEREMERGENCY _x_PIPENONE								
SIZE (ACRES): 0.60									
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope				
SECTION:					:1				
LIFE EXPECTAN POTENTIAL HAZ PERMITS / APF VEGETATION: _	PROXIMITY TO STREAMS: 20000 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: none PERMITS / APPROVALS:APPROPRIATIONDISCHARGE _x SCDNONE VEGETATION:VOIDx SPARSEDENSE DENSEX GRASS _x WETLANDS VEGETATIONSHRUBSTREES								
		LOC	CATION						
COUNTY: PG BASIN CODE: 0	COUNTY: PG MARYLAND GRID COORDINATES NORTH: 317 BASIN CODE: 02131102 EAST: 853								
RIVER/STREAM: Rock Creek									
		REA	Marks						

IDENTIFICATION									
COMPANY: E.L.	GARDNER	`		NO. OF PO	NDS ON SITI	E: 4			
SITE NUMBER:	PG7-77-SP-	0013		NUMBER: 3	1				
DESCRIPTION OF POND									
POND IS:	POND IS:								
POND TYPE:	_x_DUGOUT		EMBANKM	ENT					
SPILLWAY TYPE	:BARREL	W/RISER	EMERGEN	ICY <u>x</u> F	PIPE	NONE			
SIZE (ACRES):	0.30								
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope				
SECTION:					:1				
PROXIMITY TO STREAMS: 20000 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: none PERMITS / APPROVALS:APPROPRIATIONDISCHARGESCD _x_NONE VEGETATION:VOID _x_SPARSEDENSEDENSETREES									
	·	roc	CATION						
COUNTY: PG BASIN CODE: (02131102			МОН	RID COORDIN RTH: 317 ST : 853	ATES			
RIVER/STREAM:	Rock Cree					·····			
		REN	VARKS						

	IDENTIFICATION									
COMPANY: E.L.	GARDNER			NO. OF PO	NDS ON SITE	: 4				
SITE NUMBER:	PG7-77-SP-	0013		NUMBER: 4	· .					
DESCRIPTION OF POND										
POND IS:	_x_ACTIVE		INACTIV	E						
POND TYPE:	_x_DUGOUT		EMBANKM	ENT						
SPILLWAY TYPE	:BARREL	W/RISER	EMERGEN	CY <u>x</u> F	PIPEN	IONE				
SIZE (ACRES):	1.55									
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope	į				
SECTION:					:1					
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAZ PERMITS / API	ICY: life o	of operation	on	DISCHARGE	ĭ <u>x</u> scd	none				
	VEGETATION: VOID x SPARSE DENSE x GRASS WETLANDS VEGETATION SHRUBS TREES									
		LOC	ATION							
COUNTY: PG			h		RID COORDINA	ATES				
BASIN CODE: 0	02131102				ST: 853					
RIVER/STREAM:	Rock Cree	k								
		REN	MARKS							

Pond Inventory Sheet

		IDEI	NTIFICATION	ON					
COMPANY: LAU	REL SAND ANI	GRAVEL		NO. OF PO	ONDS ON SITE	: 4			
SITE NUMBER:	PG8			NUMBER: 1	L	•			
DESCRIPTION OF POND									
POND IS:	<u>x</u> ACTIVE		INACTIV	Æ					
POND TYPE:	x_DUGOUT		EMBANKM	ENT		:			
SPILLWAY TYPI	E:BARREL	W/RISER	EMERGEN	ICY <u>x</u> F	PIPEN	IONE			
SIZE (ACRES)	: 15.52								
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope				
SECTION:					:1				
PROXIMITY TO									
POTENTIAL HAZ	ZARDS: low								
PERMITS / API	PROVALS: _	APPROPRI	IATION	DISCHARGE	E_scd	_x_NONE			
VEGETATION: _			<u>x</u> DENS OS VEGETATI		RUBS <u>x</u> 1	REES			
LOCATION									
COUNTY: PG			N		RID COORDINA	TES			
BASIN CODE: 0	02140205				ST : 829				
RIVER/STREAM	: Indian Cr	eek							
		REN	MARKS						

Very large pond, middle grown in with wetlands vegetation. A channel is maintained for the water to move through.

IDENTIFICATION										
COMPANY: LAUI	REL SAND AND	GRAVEL		NO. OF PO	NDS ON SITE	: 4				
SITE NUMBER:	PG8			NUMBER: 2	:					
		DESCR	IPTION OF	POND						
POND IS:	_x_ACTIVE		INACTIV	Æ						
POND TYPE:	POND TYPE:DUGOUTx_EMBANKMENT									
SPILLWAY TYPI	E:_x_BARREL	W/RISER	EMERGEN	ICYF	PIPEN	ONE				
SIZE (ACRES):	18.68									
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope	Fi .				
	35	35.9	43.0	7.1	2.7:1					
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAZ PERMITS / API VEGETATION:	NCY: life of ZARDS: low PROVALS:	f operationAPPROPRISPARSE _x_WETLANI	ON ON ON ON ON ON ON ON ON ON	- 		<u>x</u> none				
		LOC	ATION							
COUNTY: PG BASIN CODE: (RIVER/STREAM		eek	. 1	NOF	RID COORDÍNA RTH: 465 ST : 829	ATES				
-			MARKS							

IDENTIFICATION									
COMPANY: LAUR	REL SAND ANI	GRAVEL .		NO. OF PO	NDS ON SITE	E: 4			
SITE NUMBER:	PG8			NUMBER: 3	,				
		DESCR	IPTION OF	POND					
POND IS:	_x_ACTIVE		INACTIV	7E		:			
POND TYPE:	DUGOUT		x_EMBANKM	ENT					
SPILLWAY TYPE	:BARREL	W/RISER	EMERGEN	ICY <u>x</u> F	PIPEN	IONE			
SIZE (ACRES):	29.09								
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope	·			
	29	13.3	17.2	3.5	2.5:1				
PROXIMITY TO									
POTENTIAL HAZ	ZARDS: low								
PERMITS / API	PROVALS:	APPROPRI	TATION	DISCHARGE	scd	_x_NONE			
VEGETATION: _	VOID GRASS		<u>x</u> DENS OS VEGETATI		RUBS <u>x</u> 1	TREES			
		LOC	ATION						
COUNTY: PG			ı		RID COORDINA	ATES			
BASIN CODE: 0	2140205				T: 829				
RIVER/STREAM:	: Indian Cr	eek							
		REN	MARKS						

POND TYPE:DUGOUTx EMBANKMENT SPILLWAY TYPE:BARREL W/RISEREMERGENCYx PIPENONE SIZE (ACRES): 7.90 Top Width Depth Height Freeboard Downstream	IDENTIFICATION									
POND IS: XACTIVEINACTIVE POND TYPE:DUGOUT	COMPANY: LAUR	REL SAND ANI	GRAVEL .		NO. OF PO	NDS ON SITE	: 4			
POND IS:	SITE NUMBER:	PG8			NUMBER: 4					
POND TYPE:DUGOUTx EMBANKMENT SPILLWAY TYPE:BARREL W/RISEREMERGENCYx PIPENONE SIZE (ACRES): 7.90 TOP Width Depth (feet) Freeboard Downstream (feet) Slope 12			DESCR	IPTION OF	POND					
SPILLWAY TYPE:BARREL W/RISEREMERGENCY _x_PIPENONE SIZE (ACRES): 7.90 TYPICAL SECTION: Top Width Depth Height Freeboard Downstream Slope 12	POND IS:	_x_ACTIVE		INACTIV	Έ					
TYPICAL (feet) (feet) (feet) (feet) Slope 12 11.6 18.5 5.8 4.0:1 PROXIMITY TO STREAMS: 20000 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: none PERMITS / APPROVALS:APPROPRIATIONDISCHARGESCDx_NONE VEGETATION:VOIDSPARSEx_DENSEX_BENSE _	POND TYPE:	DUGOUT		<u>x</u> EMBANKM	ENT					
TYPICAL SECTION: Top Width Depth Height Freeboard Downstream (feet) (feet) (feet) Slope 12 11.6 18.5 5.8 4.0:1 PROXIMITY TO STREAMS: 20000 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: none PERMITS / APPROVALS:APPROPRIATIONDISCHARGESCDx NONE VEGETATION:VOIDSPARSEx_DENSETREES	SPILLWAY TYPE	:BARREL	W/RISER	EMERGEN	ю <u>х</u> р	PIPEN	ONE			
TYPICAL (feet) (feet) (feet) (feet) Slope 12 11.6 18.5 5.8 4.0:1 PROXIMITY TO STREAMS: 20000 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: none PERMITS / APPROVALS:APPROPRIATIONDISCHARGESCD _x_NONE VEGETATION:VOIDSPARSE _x_DENSEX_DENSETREES LOCATION COUNTY: PG	SIZE (ACRES):	7.90								
PROXIMITY TO STREAMS: 20000 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: none PERMITS / APPROVALS:APPROPRIATIONDISCHARGESCD _x_NONE VEGETATION:VOIDSPARSE _x_DENSESRRUBSTREES	TYPICAL SECTION:				. –					
LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: none PERMITS / APPROVALS:APPROPRIATIONDISCHARGESCD _x_NONE VEGETATION:VOIDSPARSE _x_DENSESHRUBSTREES		12	11.6	18.5	5.8	4.0:1				
COUNTY: PG MARYLAND GRID COORDINATES NORTH: 465 EAST: 829 RIVER/STREAM: Indian Creek	LIFE EXPECTANT POTENTIAL HAZ	ICY: life o ZARDS: none PROVALS:VOID	f operationAPPROPRISPARSE _x_WETLANI	ON LATION DENS OS VEGETATI	SE		:			
BASIN CODE: 02140205 RIVER/STREAM: Indian Creek	COLUMNIA									
RIVER/STREAM: Indian Creek	·	02140205		.	NOI	RTH: 465	7T.F2			
REMARKS			eek							
			REN	MARKS						

Pond Inventory Sheet

		IDEI	NTIFICATION	N		
COMPANY: EDWA	ARD B. HOWL	IN		NO. OF PO	NDS ON SITE	: 4
SITE NUMBER:	SM1			NUMBER: 1		,
		DESCR	IPTION OF	POND		
POND IS:	_x_ACTIVE		INACTIV	Æ		:
POND TYPE:	DUGOUT		_x_EMBANK	IENT		
SPILLWAY TYPE	:BARREL	W/RISER	EMERGEN	ICY <u>x</u> P	PIPEN	ONE .
SIZE (ACRES):	1.27					
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope	
	21	30.0	32.1	9.5	1.1:1	
PROXIMITY TO						
POTENTIAL HAZ	ARDS: high					
PERMITS / APF	PROVALS: _	x_APPROPRI	IATION _	DISCHARGE	Escd	NONE
VEGETATION: _	VOID GRASS	x SPARSE x WETLANI		SE ION <u>x</u> SHE	RUBS <u>x</u> 1	rees
	·	LOC	CATION			
COUNTY: SM			1	NOF	RID COORDINA	ATES
BASIN CODE: 0				EAS	ST : 869	
RIVER/STREAM:	Swamp Cre					
		REN	MARKS			

Hazard is high due to height of embankment, dense trees growing on embankment and lack of construction documentation.

Pond Inventory Sheet

POND TYPE: _x_DUGOUTEMBANKMENT SPILLWAY TYPE: _BARREL W/RISER _EMERGENCY _x_PIPENONE SIZE (ACRES): 0.53 TYPICAL			IDEI	NTIFICATION	ON					
DESCRIPTION OF POND POND IS:	COMPANY: EDW	ARD B. HOWLI	IN		NO. OF PO	NDS ON SITE	: 4			
POND IS:X_ACTIVEINACTIVE POND TYPE:X_DUGOUTEMBANKMENT SPILLWAY TYPE:BARREL W/RISEREMERGENCYX_PIPENONE SIZE (ACRES): 0.53 TYPICAL SECTION: Top Width	SITE NUMBER:	SM1			NUMBER: 2					
POND TYPE: _x_DUGOUTEMBANKMENT SPILLWAY TYPE: _BARREL W/RISER _EMERGENCY _x_PIPENONE SIZE (ACRES): 0.53 TOP Width Depth (feet) Freeboard Downstream (feet) (feet) (feet) Slope TYPICAL SECTION:	DESCRIPTION OF POND									
SPILLWAY TYPE:BARREL W/RISEREMERGENCY _x PIPENONE SIZE (ACRES): 0.53 TYPICAL	POND IS:	<u>x</u> ACTIVE		INACTIV	Æ					
TYPICAL TOP Width Depth Height Freeboard Downstream (feet) (feet) (feet) (feet) Slope PROXIMITY TO STREAMS: 500 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: low PERMITS / APPROVALS: _x APPROPRIATIONDISCHARGESCDNONE VEGETATION: _x VOIDSPARSEDENSEDENSESRAUBSTREES LOCATION COUNTY: SM	POND TYPE:	<u>x</u> DUGOUT		EMBANK	IENT					
TYPICAL SECTION: Top Width Depth (feet) (feet) Freeboard Downstream Slope :1 PROXIMITY TO STREAMS: 500 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: low PERMITS / APPROVALS: APPROPRIATION DISCHARGE SCD NONE VEGETATION: VOID SPARSE DENSE DENSE TREES LOCATION COUNTY: SM	SPILLWAY TYPE	:BARREL	W/RISER	EMERGEN	ICY <u>x</u> F	PIPEN	ONE			
TYPICAL (feet) (feet) (feet) Slope SECTION: PROXIMITY TO STREAMS: 500 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: low PERMITS / APPROVALS: _x_APPROPRIATIONDISCHARGESCDNONE VEGETATION: _x_VOIDSPARSEDENSEDENSETREES LOCATION COUNTY: SM	SIZE (ACRES):	0.53								
PROXIMITY TO STREAMS: 500 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: low PERMITS / APPROVALS: _x_APPROPRIATIONDISCHARGESCDNONE VEGETATION: _x_VOIDSPARSEDENSETREES	TYPICAL				1					
LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: low PERMITS / APPROVALS: _x_APPROPRIATIONDISCHARGESCDNONE VEGETATION: _x_VOIDSPARSEDENSEDENSETREES	SECTION:					:1	, · * ,			
COUNTY: SM MARYLAND GRID COORDINATES NORTH: 225 BASIN CODE: 02140107 EAST: 869 RIVER/STREAM: Swamp Creek	VEGETATION: x VOIDSPARSEDENSE									
BASIN CODE: 02140107 RIVER/STREAM: Swamp Creek			LOC	CATION						
	COUNTY: SM BASIN CODE: (02140107		1	NOI	RTH: 225	ATES			
REMARKS	RIVER/STREAM	: Swamp Cre	ek	•						
			REN	MARKS						

Some sediment leaking out of end of pond, which has reached capacity. In the process of dredging it out.

IDENTIFICATION									
COMPANY: EDWA	ARD B. HOWLI	N		NO. OF PO	NDS ON SITE	2: 4			
SITE NUMBER:	SM1	•		NUMBER: 3					
DESCRIPTION OF POND									
POND IS:	_x_ACTIVE		INACTIV	Æ.					
POND TYPE:	POND TYPE: <u>x</u> DUGOUTEMBANKMENT								
SPILLWAY TYPE	:BARREL	W/RISER	EMERGEN	ICY <u>x</u> F	PIPEN	IONE			
SIZE (ACRES):	0.50								
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope				
SECTION:			·		:1				
PROXIMITY TO	•								
POTENTIAL HAZ	ZARDS: low								
PERMITS / API	PROVALS:	x_APPROPRI	TATION	DISCHARGE	Escd	NONE			
VEGETATION: _	x_VOID GRASS	SPARSE WETLANI	DENS		RUBS1	rees			
		LOC	ATION						
COUNTY: SM			P		RID COORDINA	ATES			
BASIN CODE: 0	2140107				ST : 869				
RIVER/STREAM:	: Swamp Cre	ek							
		REN	MARKS						

		IDE	NTIFICATION	ON				
COMPANY: ED	OMPANY: EDWARD B. HOWLIN NO. OF PONDS ON SITE: 4							
SITE NUMBER:	SITE NUMBER: SM1 NUMBER: 4							
		DESCR	IPTION OF	POND				
POND IS:	<u>x</u> ACTIVE		INACTIV	Æ.				
POND TYPE:	_x_DUGOUT		EMBANKN	ENT		÷		
SPILLWAY TYI	PE:BARREL	W/RISER	EMERGEN	ICY <u>x</u> F	PIPEN	ONE		
SIZE (ACRES)	0.63			•				
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope	:		
SECTION:					:1			
LIFE EXPECTA	PPROVALS: 1	f operation	on IATION	SE		NONE		
		LOC	CATION					
COUNTY: SM			ı	NOI	RID COORDINA	ATES		
BASIN CODE:				EAS	ST : 869			
RIVER/STREAL	M: Swamp Cree		AARKS					
		KEN	MARKS					

IDENTIFICATION								
COMPANY: MAR	YLAND ROCK	INDUSTRIES,	INC.	NO. OF PO	ONDS ON SITE	E: 8		
SITE NUMBER:	SM2-77-SP-	0119		NUMBER: 1		,		
		DESCR	IPTION OF	POND				
POND IS:	_x_ACTIVE	•	INACTIV	'E		i		
POND TYPE:	<u>x</u> DUGOUT		EMBANKM	IENT		·		
SPILLWAY TYPE	E:BARREL	W/RISER	EMERGEN	ICY <u>x</u> I	PIPEN	IONE		
SIZE (ACRES):	0.82			•				
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope	·		
SECTION.					:1			
PROXIMITY TO LIFE EXPECTANT POTENTIAL HAZ	NCY: life o							
PERMITS / API	PROVALS: _	x_APPROPRI	ATION _	_DISCHARGE	ESCD	NONE		
VEGETATION: x VOID SPARSE DENSE GRASS WETLANDS VEGETATION SHRUBS TREES								
		LOC	CATION					
COUNTY: SM		-	N		RID COORDINA	ATES		
BASIN CODE: (2140104				ST : 155			
RIVER/STREAM:	Breton Ba	Y						
		REN	MARKS					

		IDEI	NTIFICATION	ON				
COMPANY: MAR	YLAND ROCK	INDUSTRIES,	INC.	NO. OF PO	NDS ON SITE	: 8		
SITE NUMBER:	SM2-77-SP-	0119		NUMBER: 2				
		DESCR	IPTION OF	POND				
POND IS:	x ACTIVE		INACTIV	4E				
POND TYPE:	POND TYPE: x DUGOUT EMBANKMENT							
SPILLWAY TYPE	E:BARREL	W/RISER	EMERGEN	ICY <u>x</u> F	PIPEN	IONE		
SIZE (ACRES):	0.79							
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope			
SECTION:					:1			
PROXIMITY TO LIFE EXPECTANT POTENTIAL HAZ PERMITS / API VEGETATION:	NCY: life o	x_APPROPRI	on EATION <u>3</u>	SE		NONE		
		LOC	CATION					
COUNTY: SM BASIN CODE: (RIVER/STREAM		·y	· .	NOI	RID COORDINA RTH: 902 ST: 155	ATES		
			MARKS					

COMPANY: MARYLAND ROCK INDUSTRIES,INC. NO. OF PONDS ON SITE: 8 SITE NUMBER: SM2-77-SP-0119 NUMBER: 3 DESCRIPTION OF POND POND IS:x ACTIVEINACTIVE POND TYPE:x DUGOUTEMBANKMENT SPILLWAY TYPE:BARREL W/RISEREMERGENCYx PIPENONE SIZE (ACRES): 0.78 TOP Width Depth Height Freeboard Downstream (feet) (feet) (feet) Slope SECTION: TOP Width Depth (feet) (feet) Slope SIZE (ACRES): 0.78 TOP Width Depth (feet) (feet) Slope SECTION: PROXIMITY TO STREAMS: 2000 FEET LIFE EXPECTANCY: life of operation							
POND IS:							
POND IS:							
POND TYPE: _x_DUGOUTEMBANKMENT SPILLWAY TYPE: _BARREL W/RISER _EMERGENCY _x_PIPENONE SIZE (ACRES): 0.78 Top Width Depth Height Freeboard Downstream (feet) (feet) (feet) Slope SECTION: :1							
POND TYPE: _x_DUGOUTEMBANKMENT SPILLWAY TYPE: _BARREL W/RISER _EMERGENCY _x_PIPENONE SIZE (ACRES): 0.78 Typical							
SPILLWAY TYPE:BARREL W/RISEREMERGENCY _x_PIPENONE SIZE (ACRES): 0.78 Top Width Depth Height Freeboard Downstream (feet) (feet) (feet) Slope SECTION: :1							
SIZE (ACRES): 0.78 Top Width Depth Height Freeboard Downstream (feet) (feet) (feet) :1 PROXIMITY TO STREAMS: 2000 FEET							
TYPICAL (feet) Depth (feet) Freeboard Downstream (feet) Slope :1 PROXIMITY TO STREAMS: 2000 FEET							
TYPICAL SECTION: (feet) (feet) (feet) Slope :1 PROXIMITY TO STREAMS: 2000 FEET							
TYPICAL SECTION: (feet) (feet) (feet) Slope :1 PROXIMITY TO STREAMS: 2000 FEET							
PROXIMITY TO STREAMS: 2000 FEET							
LIFE EXPECTANCY: life of operation							
•							
POTENTIAL HAZARDS: low							
PERMITS / APPROVALS: <u>x</u> APPROPRIATION <u>x</u> DISCHARGE <u>SCD</u> NONE							
VEGETATION: SPARSE DENSE GRASS WETLANDS VEGETATION SHRUBS TREES							
LOCATION							
COUNTY: SM MARYLAND GRID COORDINATES							
BASIN CODE: 02140104							
RIVER/STREAM: Breton Bay							
REMARKS							

IDENTIFICATION								
COMPANY: MAR	YLAND ROCK	INDUSTRIES,	INC.	NO. OF PO	NDS ON SITE	: 8		
SITE NUMBER:	SM2-77-SP-	0119		NUMBER: 4				
		DESCR	IPTION OF	POND				
POND IS:	<u>x</u> ACTIVE		INACTIV	Æ.		1		
POND TYPE:	_x_DUGOUT		EMBANKM	IENT				
SPILLWAY TYPE	:BARREL	W/RISER	EMERGEN	ICY <u>x</u> F	PIPEN	IONE		
SIZE (ACRES):	0.76							
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope			
SECTION:				·	:1			
						•		
PROXIMITY TO	STREAMS:	2000 FEE	T					
LIFE EXPECTAN	NCY: life o	f operation	on					
POTENTIAL HA	ZARDS: low				·			
PERMITS / API	PROVALS: _	x_APPROPRI	NOITAI	<u>k</u> DISCHARGI	scd	none		
VEGETATION: SPARSEDENSE GRASSWETLANDS VEGETATIONSHRUBSTREES								
		LOC	ATION					
COUNTY: SM			1		RID COORDINA	ATES		
BASIN CODE:	02140104				ST : 155			
RIVER/STREAM	: Breton Ba	ıy						
	`	REN	MARKS					

IDENTIFICATION									
COMPANY: MAR	YLAND ROCK	INDUSTRIES,	,INC.	NO. OF PO	NDS ON SITE	: 8			
SITE NUMBER:	SM2-77-SP-	0119		NUMBER: 5		•			
		DESCR	IPTION OF	POND					
POND IS:	_x_ACTIVE		INACTIV	7E					
POND TYPE:	_x_DUGOUT		EMBANK	IENT					
SPILLWAY TYPE	E:BARREL	W/RISER	EMERGEN	ICY <u>x</u> F	PIPEN	ONE			
SIZE (ACRES):	: 1.07								
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope				
SECTION:					:1				
PROXIMITY TO STREAMS: 2000 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: low PERMITS / APPROVALS: _x_APPROPRIATION _x_DISCHARGESCDNONE VEGETATION: _x_VOIDSPARSEDENSEDENSEDENSETREES									
		LOC	ATION						
COUNTY: SM			N		RID COORDINA RTH: 902	TES			
BASIN CODE: (02140104				T: 155				
RIVER/STREAM:	Breton Ba	У							
		REM	MARKS						

IDENTIFICATION									
COMPANY: MAR	YLAND ROCK	INDUSTRIES,	INC.	NO. OF PO	NDS ON SITE	: 8			
SITE NUMBER:	SM2-77-SP-0	0119		NUMBER: 6		,			
		DESCR	IPTION OF	POND					
POND IS:	_x_ACTIVE		INACTIV	Æ					
POND TYPE:	<u>x</u> DUGOUT		EMBANKM	IENT		•			
SPILLWAY TYPE	E:BARREL	W/RISER	EMERGEN	ICY <u>x</u> F	PIPEN	IONE			
SIZE (ACRES):	0.98					·			
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope	:			
SECTION:					:1				
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAS PERMITS / APP	NCY: life o ZARDS: none PROVALS:	f operation x_APPROPRI	on .	SE		NONE			
	:	LOC	CATION						
BASIN CODE:			ì	NOI	RID COORDINA RTH: 902 ST: 155	ATES			
RIVER/STREAM	: breton Ba		MARKS						
		KEN	VIANNO						

IDENTIFICATION									
COMPANY: MAR	YLAND ROCK	INDUSTRIES	INC.	NO. OF PO	ONDS ON SITE	: 8			
SITE NUMBER:	SM2-77-SP-	0119	-	NUMBER: 7	,				
		DESCR	IPTION OF	POND					
POND IS: <u>x</u> ACTIVEINACTIVE									
POND TYPE:	POND TYPE: <u>x</u> DUGOUTEMBANKMENT								
SPILLWAY TYPE	E:BARREL	W/RISER	EMERGEN	ICY <u>x</u> F	PIPEN	IONE			
SIZE (ACRES):	0.39	·				•			
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope				
SECTION:					:1	-			
PROXIMITY TO STREAMS: 1500 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: low PERMITS / APPROVALS: _x APPROPRIATION _x DISCHARGESCDNONE VEGETATION: _x VOIDSPARSEDENSEDENSETREES									
		LOC	ATION						
COUNTY: SM BASIN CODE: 0)2140104		Ŋ	NOF	RID COORDINA RTH: 902 ST : 155	ATES			
RIVER/STREAM:	Breton Ba	У							
`		REN	MARKS						

		IDEI	NTIFICATION	ON					
COMPANY: MAR	YLAND ROCK	INDUSTRIES,	,INC.	NO. OF PO	ONDS ON SITE	2: 8			
SITE NUMBER:	SM2-77-SP-	0119		NUMBER: 8	.				
		DESCR	IPTION OF	POND					
POND IS:	_x_ACTIVE		INACTIV	Æ					
POND TYPE:	_x_DUGOUT	x_DUGOUTEMBANKMENT							
SPILLWAY TYPE: BARREL W/RISER EMERGENCY X PIPE NONE									
SIZE (ACRES):	0.76								
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope				
SECTION:					:1				
PROXIMITY TO LIFE EXPECTANT POTENTIAL HAZ PERMITS / API	NCY: life o	-	on	< DISCHARGI	Escd	none			
VEGETATION:	_x_VOID GRASS	SPARSE WETLANI	DENS DS VEGETATI	-	RUBS	TREES			
		LOC	CATION						
COUNTY: SM BASIN CODE:	02140104		Ŋ	NOI	RID COORDINA RTH: 902 ST : 155	ATES			
RIVER/STREAM	: Breton Ba								
		REM	MARKS						
Active only	when other	ponds not	working co	orrectly.	•				

Pond Inventory Sheet

POND TYPE:DUGOUTX_EMBANKMENT SPILLWAY TYPE:BARREL W/RISEREMERGENCYPIPEX_NONE SIZE (ACRES): 1.34 TYPICAL			IDE	NTIFICATION	ON	\			
DESCRIPTION OF POND POND IS: ACTIVE INACTIVE POND TYPE: DUGOUT EMBANKMENT SPILLWAY TYPE: BARREL W/RISER EMERGENCY PIPE NONE SIZE (ACRES): 1.34 TYPICAL TOP Width	COMPANY: LEON	NARDTOWN SA	AND AND GRA	AVEL	NO. OF PO	ONDS ON SITE	: 6		
POND IS:X_ACTIVEINACTIVE POND TYPE:DUGOUTX_EMBANKMENT SPILLWAY TYPE:BARREL W/RISEREMERGENCYPIPEX_NONE SIZE (ACRES): 1.34 TYPICAL	SITE NUMBER:	SM3			NUMBER: 1		•		
POND TYPE:DUGOUTx EMBANKMENT SPILLWAY TYPE:BARREL W/RISEREMERGENCYPIPEx NONE SIZE (ACRES): 1.34 Top width Depth (feet) (feet) Downstream (feet) Slope 1 16.7 18.2 1.5 1.7:1 PROXIMITY TO STREAMS: 800 FEET LIFE EXPECTANCY: 1-2 years POTENTIAL HAZARDS: intermediate PERMITS / APPROVALS: _x APPROPRIATION _x DISCHARGESCDNONE VEGETATION:VOIDx SPARSEDENSEDENSESTREES LOCATION COUNTY: SM			DESCR	IPTION OF	POND				
SPILLWAY TYPE: BARREL W/RISER EMERGENCY PIPE X NONE SIZE (ACRES): 1.34 TYPICAL TOP Width Depth (feet) (feet) Slope 1 16.7 18.2 1.5 1.7:1 PROXIMITY TO STREAMS: 800 FEET LIFE EXPECTANCY: 1-2 years POTENTIAL HAZARDS: intermediate PERMITS / APPROVALS: X APPROPRIATION X DISCHARGE SCD NONE VEGETATION: VOID X SPARSE DENSE SHRUBS X TREES LOCATION COUNTY: SM MARYLAND GRID COORDINATES BASIN CODE: 02140103 EAST: 910 RIVER/STREAM: Glebe Run, Gravelly Run	POND IS:	x ACTIVE		INACTIV	/E				
TYPICAL SECTION: Top Width Depth Height Freeboard Downstream (feet) (feet) (feet) Slope 1 16.7 18.2 1.5 1.7:1 PROXIMITY TO STREAMS: 800 FEET LIFE EXPECTANCY: 1-2 years POTENTIAL HAZARDS: intermediate PERMITS / APPROVALS: APPROPRIATION DISCHARGE SCD NONE VEGETATION: VOID X_ SPARSE DENSE SRRUBS X_ TREES LOCATION COUNTY: SM	POND TYPE:	POND TYPE:DUGOUTx_EMBANKMENT							
TYPICAL SECTION: Top Width Depth (feet) (feet) (feet) Slope 1 16.7 18.2 1.5 1.7:1 PROXIMITY TO STREAMS: 800 FEET LIFE EXPECTANCY: 1-2 years POTENTIAL HAZARDS: intermediate PERMITS / APPROVALS: x APPROPRIATION x DISCHARGE SCD NONE VEGETATION: VOID x SPARSE DENSE GRASS WETLANDS VEGETATION x SHRUBS x TREES LOCATION COUNTY: SM MARYLAND GRID COORDINATES NORTH: 165 BASIN CODE: 02140103 MARYLAND GRID COORDINATES EAST: 910 RIVER/STREAM: Glebe Run, Gravelly Run	SPILLWAY TYPE	E:BARREL	W/RISER	EMERGEN	ICYF	PIPE <u>x</u> N	ONE		
TYPICAL (feet) (feet) (feet) Slope 1 16.7 18.2 1.5 1.7:1 PROXIMITY TO STREAMS: 800 FEET LIFE EXPECTANCY: 1-2 years POTENTIAL HAZARDS: intermediate PERMITS / APPROVALS: _x_APPROPRIATION _x_DISCHARGESCDNONE VEGETATION:VOID _x_SPARSEDENSEDENSEXTREES LOCATION COUNTY: SM	SIZE (ACRES):	1.34							
1 16.7 18.2 1.5 1.7:1 PROXIMITY TO STREAMS: 800 FEET LIFE EXPECTANCY: 1-2 years POTENTIAL HAZARDS: intermediate PERMITS / APPROVALS: x APPROPRIATION x DISCHARGE SCD NONE VEGETATION: VOID x SPARSE DENSE SHRUBS x TREES LOCATION COUNTY: SM MARYLAND GRID COORDINATES NORTH: 165 BASIN CODE: 02140103 EAST: 910 RIVER/STREAM: Glebe Run, Gravelly Run	TYPICAL	-							
LIFE EXPECTANCY: 1-2 years POTENTIAL HAZARDS: intermediate PERMITS / APPROVALS: _x APPROPRIATION _x DISCHARGESCDNONE VEGETATION:VOID _x SPARSEDENSE DENSE TREES	SECTION.	1	16.7	18.2	1.5	1.7:1			
COUNTY: SM MARYLAND GRID COORDINATES NORTH: 165 BASIN CODE: 02140103 EAST: 910 RIVER/STREAM: Glebe Run, Gravelly Run	LIFE EXPECTAN	NCY: 1-2 ye ZARDS: inte PROVALS:VOID	ars rmediate x_APPROPRI _x_SPARSEWETLANI	ATION	SE				
BASIN CODE: 02140103 EAST: 910 RIVER/STREAM: Glebe Run, Gravelly Run			LOC	CATION			·		
	COUNTY: SM BASIN CODE: (02140103		· 1	NOF	RTH: 165	ATES		
REMARKS	RIVER/STREAM	: Glebe Run	,Gravelly	Run	·				
			REN	MARKS					

Unconsolidated material pushed up to form dike.Ponds 1,2 and 3 are improperly constructed, the only vegetation is shrubs and trees which increase hazards.

Pond Inventory Sheet

COMPANY: LEONARDTOWN SAND AND GRAVEL NO. OF PONDS ON SITE: 6 SITE NUMBER: SM3 NUMBER: 2 DESCRIPTION OF POND POND IS: ACTIVE INACTIVE POND TYPE: DUGOUT x_EMBANKMENT SPILLWAY TYPE: BARREL W/RISER EMERGENCY PIPE x_NONE SIZE (ACRES): 1.19 Top Width Depth Height Freeboard Downstream (feet) (feet) (feet) Slope									
DESCRIPTION OF POND POND IS:									
POND IS:X_ACTIVEINACTIVE POND TYPE:DUGOUTX_EMBANKMENT SPILLWAY TYPE:BARREL W/RISEREMERGENCYPIPEX_NONE SIZE (ACRES): 1.19 Top Width Depth Height Freeboard Downstream									
POND TYPE:DUGOUTx EMBANKMENT SPILLWAY TYPE:BARREL W/RISEREMERGENCYPIPEx NONE SIZE (ACRES): 1.19 Top Width Depth Height Freeboard Downstream									
SPILLWAY TYPE: BARREL W/RISER EMERGENCY PIPE x NONE SIZE (ACRES): 1.19 Top Width Depth Height Freeboard Downstream									
SIZE (ACRES): 1.19 Top Width Depth Height Freeboard Downstream									
Top Width Depth Height Freeboard Downstream									
SECTION:									
1 16.7 18.2 1.5 1.7:1									
PROXIMITY TO STREAMS: 800 FEET LIFE EXPECTANCY: at capacity POTENTIAL HAZARDS: high PERMITS / APPROVALS:x APPROPRIATIONx DISCHARGESCDNONE VEGETATION:VOIDx SPARSEDENSEDENSEDENSECRASSWETLANDS VEGETATIONx SHRUBSx TREES									
LOCATION									
COUNTY: SM MARYLAND GRID COORDINATES NORTH: 165 BASIN CODE: 02140103 EAST: 910									
RIVER/STREAM: Glebe Run, Gravelly Run									
REMARKS									

Pond 2 has highest potential for failure in the south-west corner where the dike is 18.2 ft. high and top width is only 1 ft. POnd has reached capacity, should be reclaimed to reduce hazards.

IDENTIFICATION									
COMPANY: LEO	NARDTOWN SA	ND AND GRA	AVEL	NO. OF PO	NDS ON SITE	: 6			
SITE NUMBER:	SM3			NUMBER: 3					
		DESCR	IPTION OF	POND					
POND IS:	_x_ACTIVE		INACTIV	/E					
POND TYPE:	POND TYPE:DUGOUTx_EMBANKMENT								
SPILLWAY TYP	E:BARREL	W/RISER	EMERGEN	VCYF	PIPE <u>x</u> N	IONE			
SIZE (ACRES):	. 0.76								
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope				
SECTION:	1	16.7	18.2	1.5	1.7:1				
PROXIMITY TO LIFE EXPECTANT POTENTIAL HAS PERMITS / API	NCY: 1-2 ye ZARDS: inte	ars rmediate		<_DISCHARGE	:scd	none			
VEGETATION:VOIDx SPARSEDENSE GRASSWETLANDS VEGETATIONx SHRUBSx TREES									
		LOC	CATION						
COUNTY: SM BASIN CODE: (72140103		ı	NOF	RID COORDINA RTH: 165 RT: 910	ATES			
RIVER/STREAM		.Gravellv	Run	DAC					
			/ARKS						

IDENTIFICATION								
COMPANY: LEONARDTOWN SAND AND GRAVEL NO. OF PONDS ON SITE: 6								
SITE NUMBER:	SM3	NUMBER: 4						
DESCRIPTION OF POND								
POND IS:X_ACTIVEINACTIVE								
POND TYPE:	_x_DUGOUT		EMBANKM	IENT				
SPILLWAY TYPE	:BARREL	W/RISER	EMERGEN	ICYF	PIPE <u>x</u> N	IONE		
SIZE (ACRES):	0.37							
TYPICAL SECTION:	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope			
SECTION:					:1			
PROXIMITY TO STREAMS: 20 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: low PERMITS / APPROVALS:x APPROPRIATIONx DISCHARGESCDNONE VEGETATION:VOIDSPARSEx DENSEX TREES								
LOCATION								
COUNTY: SM MARYLAND GRID COORDINATES NORTH: 165 BASIN CODE: 02140103 EAST: 910								
RIVER/STREAM: Glebe Run, Gravelly Run REMARKS								

IDENTIFICATION							
COMPANY: LEONARDTOWN SAND AND GRAVEL NO. OF PONDS ON SITE: 6							
SITE NUMBER:	SM3	NUMBER: 5	i				
		DESCR	IPTION OF	POND			
POND IS:	_x_ACTIVE		INACTIV	7E		•	
POND TYPE:	_x_DUGOUT		EMBANKM	IENT			
SPILLWAY TYPI	E:BARREL	W/RISER	EMERGEN	ICY <u>x</u> F	PIPEN	IONE	
SIZE (ACRES):	: 0.19						
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope	•	
SECTION:					:1		
PROXIMITY TO LIFE EXPECTANT POTENTIAL HAS PERMITS / API VEGETATION:	NCY: life o	f operation x_APPROPRI	on EATION <u>x</u> _x_DENS	SE	cscd Rubs _x_1	NONE	
		LOC	ATION			·	
	COUNTY: SM MARYLAND GRID COORDINATES NORTH: 165 BASIN CODE: 02140103 EAST: 910						
RIVER/STREAM:	: Glebe Kun		ARKS				
		VEN.					

Pond Inventory Sheet

IDENTIFICATION								
COMPANY: LEONARDTOWN SAND AND GRAVEL NO. OF PONDS ON SITE: 6								
SITE NUMBER: SM3	NUMBER: 6							
DESCRIPTION	N OF POND							
POND IS: <u>x</u> ACTIVEINA	ACTIVE							
POND TYPE:DUGOUTx_EMI	BANKMENT							
SPILLWAY TYPE:BARREL W/RISEREM	ERGENCYPIPE _x_NONE							
SIZE (ACRES): 0.30								
Top Width Depth Height (feet) (feet)								
SECTION: 18 6.9 9.9	3.0 1.8:1							
PROXIMITY TO STREAMS: 20 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: low PERMITS / APPROVALS: _x APPROPRIATION VEGETATION:VOID _x SPARSE GRASSWETLANDS VEGETATION								
LOCATIO	1							
COUNTY: SM MARYLAND GRID COORDINATES NORTH: 165 BASIN CODE: 02140103 EAST: 910								
RIVER/STREAM: Glebe Run, Gravelly Run								
REMARKS								

Pond 6 is sparsely vegetated with shrubs, should be stabilized with grass.

Pond Inventory Sheet

IDENTIFICATION								
COMPANY: HOW	ARD SAND AN	D GRAVEL		NO. OF PO	NDS ON SITI	2: 1		
SITE NUMBER:	WI1-77-SP-	0094		NUMBER: 1				
		DESCR	IPTION OF	POND				
POND IS:	_x_ACTIVE		INACTIV	/E				
POND TYPE:	x_DUGOUT		EMBANK					
SPILLWAY TYPE	E:BARREL	W/RISER	EMERGEN	ICYF	PIPE x	NONE		
SIZE (ACRES):	8.86							
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope			
SECTION:					:1			
PROXIMITY TO LIFE EXPECTAN POTENTIAL HAZ PERMITS / APP VEGETATION:	NCY: life o ZARDS: low PROVALS: VOID	f operation <u>x</u> APPROPRI	on	SE		NONE		
		LOC	ATION					
	COUNTY: WI MARYLAND GRID COORDINATES NORTH: 231 BASIN CODE: 02130305 EAST: 1167 RIVER/STREAM: Barren Creek							
			MARKS					

This is a channel leading into a fresh water pond used for irrigation. The spoil area is included in the area of the pond.

Pond Inventory Sheet

IDENTIFICATION							
COMPANY: BLADES MATERIALS, INC. NO. OF PONDS ON SITE: 1							
SITE NUMBER:	WO1-77-SP-	0032		NUMBER: 1			
			IPTION OF				
		- DEGCK			<u> </u>		
POND IS:	_x_ACTIVE		INACTIV	'E	• .		
POND TYPE:	DUGOUT		EMBANKM	ENT			
SPILLWAY TYPE	E:BARREL	W/RISER	EMERGEN	ICYF	PIPE <u>x</u> N	ONE	
SIZE (ACRES):	128.00						
		•				1	
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope		
SECTION:					:1		
					<u> </u>	•	
PROXIMITY TO	STREAMS:	20 FE	ET				
LIFE EXPECTAN	NCY: life o	f operation	on .				
POTENTIAL HAZ	ZARDS: low				•		
PERMITS / API	PROVALS: _	APPROPRI	K_ NOITA	_DISCHARGE	ESCD	NONE	
VEGETATION: VOID SPARSE X DENSE X GRASS X WETLANDS VEGETATION SHRUBS X TREES							
LOCATION							
COUNTY: WO MARYLAND GRID COORDINATES							
BASIN CODE: 02130202							
RIVER/STREAM: Pocomoke River							
REMARKS							

Wash plant material goes back into large water filled area where hydraulic mining is done. Material forms a fan as it goes into area. All runoff from site also goes back into this area.

IDENTIFICATION								
COMPANY: LANCE J. ELLER, INC. NO. OF PONDS ON SITE: 1								
SITE NUMBER:	WO2-77-SP-	0123		NUMBER: 1	L			
		DESCR	IPTION OF	POND				
POND IS:	<u>x</u> ACTIVE		INACTIV	7E				
POND TYPE:	_x_DUGOUT		EMBANK	EMBANKMENT				
SPILLWAY TYPE	E:BARREL	W/RISER	EMERGEN	ICYI	PIPE <u>x</u> N	IONE		
SIZE (ACRES):	3.00							
TYPICAL	Top Width (feet)	Depth (feet)	Height (feet)	Freeboard (feet)	Downstream Slope			
SECTION:					:1			
PROXIMITY TO STREAMS: 300 FEET LIFE EXPECTANCY: life of operation POTENTIAL HAZARDS: low PERMITS / APPROVALS:x_APPROPRIATIONDISCHARGESCDNONE VEGETATION:VOIDSPARSEx_DENSEX_GRASSx_WETLANDS VEGETATIONx_SHRUBSTREES								
LOCATION								
	COUNTY: WO MARYLAND GRID COORDINATES NORTH: 63 BASIN CODE: 02130202 EAST: 1217					ATES		
RIVER/STREAM:	: Wagram		AADKC					
		KEN	MARKS	·				

APPENDIX 2

IX.

APPENDIX II - EXPLANATION OF TERMS FOUND ON DATA SHEET

Identification

"Company Name" - The name of the company which operates the site, not necessarily the landowner.

"Site Number" - (Example - AA1-44-SP-0936) Derived from County Code (AA), order in which it was surveyed (1), and the surface mining permit number (44-SP-0936) if at a permitted site or adjacent to one.

"Number of

Ponds on site" - Total number of ponds at that particular site.

"Number" - Identifies pond location at that site.

Description

"POND IS" - Active - At time of survey, pond was being used for wash water.

 Inactive - At time of survey, pond was not being used for wash water.

"POND TYPE" - Dugout - Pond is excavated in existing ground; no embankment.

- Embankment - Pond is constructed with an earthen embankment on existing ground.

"SPILLWAY TYPE"

Barrel with riser - Principal spillway which consists of a barrel with a riser that carries normal water flow through an embankment.

Pipe - Principal spillway which consists of a pipe carrying water flow through an embankment.

Emergency - Secondary spillway - would only be used during designed flooding event; excavated earth channel.

None - Pond has no spillway.

"SIZE (ACRES)" - Size of individual pond in acres.

"TYPICAL SECTION"

Top Width - Width of the top of the embankment in feet.

Depth - Depth of pond in feet, calculated from the elevation of the water level minus the

elevation of the toe of slope.

Height - Height of the embankment in feet, calculated from the elevation of the embankment crest

minus the elevation of toe of slope.

Freeboard - Measurement in feet of the remaining capacity

of the pond calculated from the elevation of the embankment crest minus the elevation of

the water.

Downstream Slope - Measurement of the downstream slope expressed

as a ratio of horizontal:vertical

"PROXIMITY TO STREAMS" - Distance on feet from pond to nearest river or stream.

"LIFE EXPECTANCY" - Projected amount of time the pond can still be used, usually life of the operation if the

pond is dredged regularly.

POTENTIAL HAZARDS" -

The potential hazards the pond presents rated as: none, low, intermediate, or high. Level of hazard determined from whether or not the pond is vegetatively stabilized and the type of vegetation (trees and shrubs add to hazard because of root system), the height, width, and stability of the embankment, the amount of material in the pond, the presence or absence of a spillway, and the proximity to streams.

"PERMITS/APPROVALS"

Appropriation - Whether or not site has a water appropriation permit.

Discharge - Whether or not site has a waste water discharge permit.

SCD - Whether or not pond has Soil Conservation

District (SCD) approval.

None - Site has no permits.

"VEGETATION"

Void - No vegetation

Sparse - Insufficient amount of vegetation

leaving structure subject to surface erosion.

Dense - Sufficient amount of vegetation protecting

structure from surface erosion.

Grass - Grass vegetation

Wetlands Vegetation - Phragmites, cattails, and other

wetlands type vegetation.

Shrubs - Low growing woody vegetation.

Trees - Woody vegetation with a single trunk.

"LOCATION"

County - Maryland county in which site is located

Basin Code - Eight digit Maryland watershed designation

River/Stream - Name of the river or stream closest to the

site and ponds.

Grid/Coordinates - Maryland grid coordinate system.

